|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S3 Copy number alteration analysis results** | | | | | | | |
| Chromosome | Start | End | Cancer gene concensus | Count of gain | Percent of gain | Count of loss | Percent of loss |
| 1 | 1 | 65509 |  | 0 | 0 | 1 | 12.5 |
| 1 | 65510 | 850000 |  | 0 | 0 | 2 | 25 |
| 1 | 850001 | 900000 |  | 0 | 0 | 3 | 37.5 |
| 1 | 900001 | 950000 |  | 0 | 0 | 2 | 25 |
| 1 | 950001 | 1000000 |  | 1 | 12.5 | 3 | 37.5 |
| 1 | 1000001 | 1150000 |  | 0 | 0 | 2 | 25 |
| 1 | 1150001 | 1200000 |  | 1 | 12.5 | 2 | 25 |
| 1 | 1200001 | 1300000 |  | 1 | 12.5 | 3 | 37.5 |
| 1 | 1300001 | 1350000 |  | 1 | 12.5 | 2 | 25 |
| 1 | 1350001 | 1700000 |  | 0 | 0 | 2 | 25 |
| 1 | 1700001 | 1750000 |  | 1 | 12.5 | 2 | 25 |
| 1 | 1750001 | 2300000 | SKI | 0 | 0 | 2 | 25 |
| 1 | 2300001 | 2350000 |  | 1 | 12.5 | 2 | 25 |
| 1 | 2350001 | 2450000 |  | 0 | 0 | 3 | 37.5 |
| 1 | 2450001 | 2500000 | TNFRSF14 | 1 | 12.5 | 3 | 37.5 |
| 1 | 2500001 | 3542170 | PRDM16 | 0 | 0 | 1 | 12.5 |
| 1 | 6200001 | 6300000 | RPL22 | 1 | 12.5 | 0 | 0 |
| 1 | 6650001 | 6700000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 8900001 | 8950000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 9500001 | 10750000 |  | 0 | 0 | 0 | 0 |
| 1 | 11800001 | 11824301 |  | 1 | 12.5 | 0 | 0 |
| 1 | 11824302 | 11849543 |  | 1 | 12.5 | 1 | 12.5 |
| 1 | 11849544 | 12100000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 12779459 | 13747307 |  | 1 | 12.5 | 0 | 0 |
| 1 | 17250001 | 17300000 |  | 2 | 25 | 0 | 0 |
| 1 | 19150001 | 19250000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 19600001 | 19700000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 20950001 | 21000000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 21880550 | 21900000 |  | 0 | 0 | 1 | 12.5 |
| 1 | 21900001 | 21932733 |  | 1 | 12.5 | 1 | 12.5 |
| 1 | 21932734 | 21950000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 22950001 | 23000000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 24100001 | 24200000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 24200001 | 24250000 |  | 0 | 0 | 1 | 12.5 |
| 1 | 24250001 | 24350000 |  | 0 | 0 | 5 | 62.5 |
| 1 | 24350001 | 24400000 |  | 0 | 0 | 1 | 12.5 |
| 1 | 25150001 | 25200000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 26100001 | 26150000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 26700001 | 28750000 | ARID1A | 0 | 0 | 1 | 12.5 |
| 1 | 28750001 | 29050000 |  | 0 | 0 | 1 | 12.5 |
| 1 | 29050001 | 29550000 |  | 0 | 0 | 1 | 12.5 |
| 1 | 31200001 | 31250000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 32650001 | 32700000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 35400001 | 36750000 | SFPQ,THRAP3 | 0 | 0 | 1 | 12.5 |
| 1 | 40500001 | 40550000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 44050001 | 44100000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 44400001 | 44450000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 46650001 | 46700000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 47100001 | 47200000 |  | 0 | 0 | 0 | 0 |
| 1 | 47200001 | 47500000 |  | 0 | 0 | 0 | 0 |
| 1 | 53150001 | 53500000 |  | 0 | 0 | 0 | 0 |
| 1 | 54200001 | 54350000 |  | 0 | 0 | 0 | 0 |
| 1 | 62920885 | 63999322 |  | 1 | 12.5 | 0 | 0 |
| 1 | 65900001 | 66150000 |  | 0 | 0 | 0 | 0 |
| 1 | 68200001 | 68300000 |  | 0 | 0 | 0 | 0 |
| 1 | 72750001 | 72800000 |  | 0 | 0 | 4 | 50 |
| 1 | 72800001 | 72850000 |  | 0 | 0 | 3 | 37.5 |
| 1 | 85450001 | 85900000 | BCL10 | 0 | 0 | 0 | 0 |
| 1 | 85950001 | 86000000 |  | 2 | 25 | 0 | 0 |
| 1 | 92300001 | 92350000 |  | 0 | 0 | 1 | 12.5 |
| 1 | 100185013 | 100615037 |  | 1 | 12.5 | 0 | 0 |
| 1 | 104050001 | 104100000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 107450001 | 107750000 |  | 0 | 0 | 0 | 0 |
| 1 | 112150001 | 112300000 |  | 0 | 0 | 0 | 0 |
| 1 | 114400001 | 114550000 |  | 0 | 0 | 0 | 0 |
| 1 | 144900001 | 144950000 | PDE4DIP | 6 | 75 | 0 | 0 |
| 1 | 144950001 | 144994874 | PDE4DIP | 1 | 12.5 | 0 | 0 |
| 1 | 144994875 | 145000000 | PDE4DIP | 1 | 12.5 | 0 | 0 |
| 1 | 145000001 | 145100000 | PDE4DIP | 6 | 75 | 0 | 0 |
| 1 | 145100001 | 145400000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 145400001 | 149100000 | BCL9 | 1 | 12.5 | 0 | 0 |
| 1 | 149100001 | 149200000 |  | 1 | 12.5 | 1 | 12.5 |
| 1 | 149200001 | 149250000 |  | 3 | 37.5 | 1 | 12.5 |
| 1 | 149250001 | 149850000 |  | 1 | 12.5 | 1 | 12.5 |
| 1 | 149850001 | 150500000 |  | 1 | 12.5 | 1 | 12.5 |
| 1 | 150500001 | 150600000 |  | 2 | 25 | 1 | 12.5 |
| 1 | 150600001 | 151650000 | ARNT,MLLT11 | 1 | 12.5 | 1 | 12.5 |
| 1 | 151650001 | 152080746 |  | 1 | 12.5 | 0 | 0 |
| 1 | 152080747 | 152382681 |  | 2 | 25 | 0 | 0 |
| 1 | 152382682 | 152550000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 152550001 | 152600000 |  | 0 | 0 | 2 | 25 |
| 1 | 152600001 | 153450000 | S100A7 | 1 | 12.5 | 0 | 0 |
| 1 | 153450001 | 153700000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 153700001 | 154050000 |  | 0 | 0 | 0 | 0 |
| 1 | 154050001 | 155100000 | TPM3 | 1 | 12.5 | 0 | 0 |
| 3 | 38000001 | 38200000 | MYD88 | 2 | 25 | 0 | 0 |
| 1 | 155250001 | 155300000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 155300001 | 156000000 |  | 0 | 0 | 0 | 0 |
| 1 | 156000001 | 161050000 | LMNA,PRCC,NTRK1,FCRL4 | 1 | 12.5 | 0 | 0 |
| 1 | 161050001 | 161200000 |  | 2 | 25 | 0 | 0 |
| 1 | 161200001 | 167500000 | SDHC,FCGR2B,DDR2,PBX1 | 1 | 12.5 | 0 | 0 |
| 1 | 167500001 | 167550000 |  | 2 | 25 | 0 | 0 |
| 1 | 167550001 | 169050000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 169050001 | 169150000 |  | 2 | 25 | 0 | 0 |
| 1 | 169150001 | 172850000 | PRRX1 | 1 | 12.5 | 0 | 0 |
| 1 | 172850001 | 173150000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 173150001 | 173550000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 173550001 | 175000000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 175000001 | 175900000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 175900001 | 175951556 |  | 1 | 12.5 | 0 | 0 |
| 1 | 175951557 | 176144981 |  | 1 | 12.5 | 0 | 0 |
| 1 | 176144982 | 176150000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 176150001 | 178050000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 178050001 | 179400000 | ABL2 | 1 | 12.5 | 0 | 0 |
| 1 | 179400001 | 180350000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 180350001 | 182350000 |  | 0 | 0 | 0 | 0 |
| 1 | 182350001 | 182400000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 182400001 | 182750000 |  | 0 | 0 | 0 | 0 |
| 1 | 182750001 | 182800000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 182800001 | 183600000 |  | 0 | 0 | 0 | 0 |
| 1 | 183600001 | 183750000 |  | 0 | 0 | 0 | 0 |
| 1 | 183750001 | 184650000 |  | 0 | 0 | 0 | 0 |
| 1 | 184650001 | 185093078 |  | 0 | 0 | 0 | 0 |
| 1 | 185093079 | 185094069 |  | 0 | 0 | 0 | 0 |
| 1 | 185094070 | 185100000 |  | 0 | 0 | 0 | 0 |
| 1 | 185100001 | 191600000 | TPR | 0 | 0 | 0 | 0 |
| 1 | 191600001 | 192000000 |  | 0 | 0 | 0 | 0 |
| 1 | 192000001 | 198000000 | CDC73 | 0 | 0 | 0 | 0 |
| 1 | 198000001 | 198650000 | PTPRC | 0 | 0 | 0 | 0 |
| 1 | 198650001 | 200825255 | PTPRC | 0 | 0 | 0 | 0 |
| 1 | 200826420 | 200900000 |  | 0 | 0 | 0 | 0 |
| 1 | 200900001 | 201000000 |  | 0 | 0 | 0 | 0 |
| 1 | 201000001 | 205650000 | ELF3,MDM4,ELK4,SLC45A3 | 0 | 0 | 0 | 0 |
| 1 | 205650001 | 205750000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 205750001 | 207100000 |  | 0 | 0 | 0 | 0 |
| 1 | 207100001 | 207150000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 207150001 | 207200000 |  | 0 | 0 | 0 | 0 |
| 1 | 207200001 | 207250000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 207250001 | 207950000 |  | 0 | 0 | 0 | 0 |
| 1 | 207950001 | 208000000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 208000001 | 212100000 |  | 0 | 0 | 0 | 0 |
| 1 | 212100001 | 212200000 |  | 0 | 0 | 0 | 0 |
| 1 | 212200001 | 222700000 |  | 0 | 0 | 0 | 0 |
| 1 | 222700001 | 223400000 |  | 0 | 0 | 0 | 0 |
| 1 | 223400001 | 224606154 |  | 0 | 0 | 0 | 0 |
| 1 | 224607184 | 224619520 |  | 1 | 12.5 | 0 | 0 |
| 1 | 224621349 | 225100000 |  | 0 | 0 | 0 | 0 |
| 1 | 225100001 | 225600000 |  | 0 | 0 | 0 | 0 |
| 1 | 225600001 | 225950000 |  | 0 | 0 | 0 | 0 |
| 1 | 225950001 | 226050000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 226050001 | 228250000 | H3F3A | 0 | 0 | 0 | 0 |
| 1 | 228250001 | 228300000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 228300001 | 228650000 |  | 0 | 0 | 0 | 0 |
| 1 | 228650001 | 228700000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 228700001 | 229438736 |  | 0 | 0 | 0 | 0 |
| 1 | 229440815 | 233450000 |  | 0 | 0 | 0 | 0 |
| 1 | 233450001 | 233550000 |  | 0 | 0 | 0 | 0 |
| 1 | 233550001 | 233800000 |  | 0 | 0 | 0 | 0 |
| 1 | 233800001 | 234000000 |  | 0 | 0 | 0 | 0 |
| 1 | 234000001 | 235250000 |  | 0 | 0 | 0 | 0 |
| 1 | 235250001 | 235300000 |  | 1 | 12.5 | 1 | 12.5 |
| 1 | 235300001 | 235550000 |  | 0 | 0 | 1 | 12.5 |
| 1 | 235550001 | 237527560 |  | 0 | 0 | 0 | 0 |
| 1 | 237527561 | 243333065 | RGS7,FH | 1 | 12.5 | 0 | 0 |
| 1 | 243333066 | 245000000 | AKT3 | 0 | 0 | 0 | 0 |
| 1 | 245000001 | 245050000 |  | 1 | 12.5 | 0 | 0 |
| 1 | 245050001 | 245100000 |  | 0 | 0 | 0 | 0 |
| 1 | 245100001 | 245250000 |  | 0 | 0 | 0 | 0 |
| 1 | 245250001 | 248039238 |  | 0 | 0 | 0 | 0 |
| 1 | 248039239 | 248551877 |  | 1 | 12.5 | 0 | 0 |
| 1 | 248551878 | 248814178 |  | 1 | 12.5 | 0 | 0 |
| 2 | 224841 | 10550000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 10550001 | 10600000 |  | 2 | 25 | 0 | 0 |
| 2 | 10600001 | 17650000 | MYCN | 1 | 12.5 | 0 | 0 |
| 2 | 17650001 | 18000000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 18000001 | 20400000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 20400001 | 20450000 |  | 2 | 25 | 0 | 0 |
| 2 | 20450001 | 26350000 | C2orf44,NCOA1,DNMT3A,ASXL2 | 1 | 12.5 | 0 | 0 |
| 2 | 26350001 | 26550000 |  | 2 | 25 | 0 | 0 |
| 2 | 26550001 | 27000000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 27000001 | 27050000 |  | 2 | 25 | 0 | 0 |
| 2 | 27050001 | 27250000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 27250001 | 27350000 |  | 2 | 25 | 0 | 0 |
| 2 | 27350001 | 27700000 |  | 2 | 25 | 0 | 0 |
| 2 | 27700001 | 28450000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 28450001 | 28650000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 28650001 | 29000000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 29000001 | 29050000 |  | 2 | 25 | 0 | 0 |
| 2 | 29050001 | 30650000 | ALK | 1 | 12.5 | 0 | 0 |
| 2 | 30650001 | 30850000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 30850001 | 32050000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 32050001 | 32582368 | BIRC6 | 1 | 12.5 | 1 | 12.5 |
| 2 | 32582369 | 32582370 | BIRC6 | 0 | 0 | 1 | 12.5 |
| 2 | 32582371 | 32756598 | BIRC6 | 1 | 12.5 | 1 | 12.5 |
| 2 | 32756599 | 32757213 | BIRC6 | 0 | 0 | 1 | 12.5 |
| 2 | 32757214 | 32950000 | BIRC6 | 1 | 12.5 | 1 | 12.5 |
| 2 | 32950001 | 38700000 | STRN | 1 | 12.5 | 0 | 0 |
| 2 | 38700001 | 38750000 |  | 2 | 25 | 0 | 0 |
| 2 | 38750001 | 44500000 | EML4 | 1 | 12.5 | 0 | 0 |
| 2 | 44500001 | 44550000 |  | 2 | 25 | 0 | 0 |
| 2 | 44550001 | 46609236 | EPAS1 | 1 | 12.5 | 0 | 0 |
| 2 | 47100001 | 47144404 |  | 1 | 12.5 | 0 | 0 |
| 2 | 47144405 | 47150000 |  | 1 | 12.5 | 1 | 12.5 |
| 2 | 47150001 | 47168873 |  | 0 | 0 | 1 | 12.5 |
| 2 | 47177534 | 52750000 | MSH2,MSH6,FBXO11 | 1 | 12.5 | 0 | 0 |
| 2 | 52750001 | 52800000 |  | 1 | 12.5 | 4 | 50 |
| 2 | 52800001 | 54850000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 54850001 | 54900000 |  | 2 | 25 | 0 | 0 |
| 2 | 54900001 | 60900000 | BCL11A | 1 | 12.5 | 0 | 0 |
| 2 | 60900001 | 62400000 | REL,XPO1 | 1 | 12.5 | 1 | 12.5 |
| 2 | 62400001 | 70300000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 53800001 | 53900000 | CACNA1D | 2 | 25 | 0 | 0 |
| 2 | 70350001 | 70500000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 70500001 | 70550000 |  | 2 | 25 | 0 | 0 |
| 2 | 70550001 | 71300000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 71300001 | 71650000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 71650001 | 74650000 | DCTN1 | 1 | 12.5 | 0 | 0 |
| 2 | 74650001 | 74800000 |  | 2 | 25 | 0 | 0 |
| 2 | 74800001 | 85500000 | CTNNA2 | 1 | 12.5 | 0 | 0 |
| 2 | 85500001 | 85650000 |  | 2 | 25 | 0 | 0 |
| 2 | 85650001 | 85750000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 85750001 | 85850000 |  | 2 | 25 | 0 | 0 |
| 2 | 85850001 | 86259505 |  | 1 | 12.5 | 0 | 0 |
| 2 | 86260792 | 86352710 |  | 1 | 12.5 | 0 | 0 |
| 2 | 86352798 | 89160913 |  | 1 | 12.5 | 0 | 0 |
| 2 | 89160946 | 91766608 |  | 1 | 12.5 | 0 | 0 |
| 2 | 91767283 | 96850000 |  | 0 | 0 | 0 | 0 |
| 2 | 96850001 | 96861341 |  | 1 | 12.5 | 0 | 0 |
| 2 | 96861342 | 96873849 |  | 1 | 12.5 | 0 | 0 |
| 5 | 132200001 | 132250000 | AFF4 | 2 | 25 | 0 | 0 |
| 2 | 96943018 | 96943357 |  | 1 | 12.5 | 0 | 0 |
| 2 | 96943358 | 96950000 |  | 2 | 25 | 0 | 0 |
| 2 | 96950001 | 97316125 |  | 1 | 12.5 | 0 | 0 |
| 2 | 97317546 | 97355486 |  | 0 | 0 | 1 | 12.5 |
| 2 | 108900001 | 109000000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 109000001 | 109050000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 109050001 | 109600000 | RANBP2 | 0 | 0 | 0 | 0 |
| 2 | 109600001 | 109700000 |  | 0 | 0 | 0 | 0 |
| 2 | 113950001 | 114000000 | PAX8 | 1 | 12.5 | 0 | 0 |
| 2 | 120150001 | 120250000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 127200001 | 127350000 |  | 0 | 0 | 0 | 0 |
| 2 | 128350001 | 128550000 |  | 0 | 0 | 0 | 0 |
| 2 | 133100001 | 133150000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 146700001 | 146850000 |  | 0 | 0 | 0 | 0 |
| 2 | 146850001 | 146900000 |  | 0 | 0 | 3 | 37.5 |
| 2 | 146950001 | 147400000 |  | 0 | 0 | 0 | 0 |
| 2 | 155550001 | 156600000 |  | 0 | 0 | 0 | 0 |
| 2 | 158150001 | 158350000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 159900001 | 160300000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 161050001 | 161250000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 161250001 | 162300000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 162300001 | 162500000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 162500001 | 164400000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 164700001 | 167400000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 167400001 | 167850000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 167850001 | 167900000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 167900001 | 169700000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 170900001 | 172050000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 173350001 | 173400000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 178050001 | 178100000 | NFE2L2 | 1 | 12.5 | 0 | 0 |
| 2 | 178600001 | 179150000 |  | 0 | 0 | 0 | 0 |
| 2 | 179447174 | 179545127 |  | 1 | 12.5 | 0 | 0 |
| 2 | 186650952 | 186673917 |  | 1 | 12.5 | 0 | 0 |
| 2 | 187500001 | 187550000 | ITGAV | 1 | 12.5 | 0 | 0 |
| 2 | 189500001 | 189750000 |  | 0 | 0 | 0 | 0 |
| 2 | 189900001 | 190250000 |  | 0 | 0 | 0 | 0 |
| 2 | 191800001 | 191850000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 193450001 | 193850000 |  | 0 | 0 | 0 | 0 |
| 2 | 193850001 | 193950000 |  | 0 | 0 | 0 | 0 |
| 2 | 193950001 | 194650000 |  | 0 | 0 | 0 | 0 |
| 2 | 194650001 | 194700000 |  | 0 | 0 | 1 | 12.5 |
| 2 | 194700001 | 195650000 |  | 0 | 0 | 0 | 0 |
| 2 | 198200001 | 198250000 |  | 0 | 0 | 0 | 0 |
| 2 | 198250001 | 198400000 | SF3B1 | 1 | 12.5 | 0 | 0 |
| 2 | 198400001 | 198450000 |  | 0 | 0 | 0 | 0 |
| 2 | 200000001 | 200450000 |  | 0 | 0 | 0 | 0 |
| 2 | 202356263 | 202400736 |  | 1 | 12.5 | 0 | 0 |
| 2 | 203000001 | 204550000 |  | 0 | 0 | 1 | 12.5 |
| 2 | 210250001 | 210400000 |  | 0 | 0 | 0 | 0 |
| 2 | 217500001 | 217550000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 218650001 | 218700000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 219100001 | 219150000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 220000001 | 220150000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 232300001 | 232350000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 232550001 | 232600000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 234066851 | 234600000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 234600001 | 234688468 |  | 2 | 25 | 0 | 0 |
| 2 | 234688469 | 234700000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 241500001 | 241550000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 241869474 | 241928284 |  | 0 | 0 | 1 | 12.5 |
| 2 | 242150001 | 242200000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 242250001 | 242300000 |  | 1 | 12.5 | 0 | 0 |
| 2 | 242738475 | 242842580 |  | 0 | 0 | 1 | 12.5 |
| 3 | 1 | 100000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 100001 | 239350 |  | 1 | 12.5 | 0 | 0 |
| 3 | 239351 | 384799 |  | 3 | 37.5 | 0 | 0 |
| 3 | 384800 | 386251 |  | 2 | 25 | 0 | 0 |
| 3 | 386252 | 1369280 |  | 2 | 25 | 1 | 12.5 |
| 3 | 1369281 | 1371459 |  | 2 | 25 | 0 | 0 |
| 3 | 1371460 | 1445190 |  | 3 | 37.5 | 0 | 0 |
| 3 | 1445191 | 2613104 |  | 2 | 25 | 0 | 0 |
| 3 | 2613105 | 2908677 |  | 2 | 25 | 1 | 12.5 |
| 3 | 2908678 | 4200000 |  | 1 | 12.5 | 1 | 12.5 |
| 3 | 4200001 | 4250000 |  | 1 | 12.5 | 1 | 12.5 |
| 3 | 4250001 | 4494745 |  | 1 | 12.5 | 1 | 12.5 |
| 3 | 4494746 | 4508680 |  | 1 | 12.5 | 0 | 0 |
| 3 | 4508681 | 4562862 |  | 2 | 25 | 0 | 0 |
| 3 | 4562863 | 7500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 7500001 | 7550000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 7550001 | 8100000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 8100001 | 9300000 | SRGAP3 | 1 | 12.5 | 0 | 0 |
| 3 | 9300001 | 10350000 | SRGAP3,FANCD2,VHL | 0 | 0 | 0 | 0 |
| 3 | 10350001 | 11050000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 11050001 | 11200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 11200001 | 12550000 | PPARG | 1 | 12.5 | 0 | 0 |
| 3 | 12550001 | 12850000 | RAF1 | 1 | 12.5 | 0 | 0 |
| 3 | 12850001 | 14950000 | FBLN2,XPC | 1 | 12.5 | 0 | 0 |
| 3 | 14950001 | 16750000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 16750001 | 16850000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 16850001 | 19750000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 19750001 | 19950000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 19950001 | 20100000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 20100001 | 20150000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 20150001 | 23850000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 23850001 | 23950000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 23950001 | 24000000 |  | 2 | 25 | 0 | 0 |
| 3 | 24000001 | 28400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 28400001 | 28450000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 28450001 | 28900000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 28900001 | 29000000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 29000001 | 31750000 | TGFBR2 | 1 | 12.5 | 0 | 0 |
| 3 | 31750001 | 32500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 32500001 | 33150000 | CCR4 | 0 | 0 | 0 | 0 |
| 3 | 33150001 | 33200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 33200001 | 33600000 |  | 0 | 0 | 0 | 0 |
| 3 | 33600001 | 33800000 |  | 0 | 0 | 0 | 0 |
| 3 | 33800001 | 33900000 |  | 0 | 0 | 0 | 0 |
| 3 | 33900001 | 35600000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 35600001 | 35750000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 35750001 | 38000000 | MLH1 | 1 | 12.5 | 0 | 0 |
| 5 | 149750001 | 149800000 | CD74 | 2 | 25 | 0 | 0 |
| 3 | 38200001 | 41400000 | CTNNB1 | 1 | 12.5 | 0 | 0 |
| 3 | 41400001 | 41450000 |  | 0 | 0 | 0 | 0 |
| 3 | 41450001 | 41550000 |  | 0 | 0 | 0 | 0 |
| 3 | 41550001 | 42250000 |  | 0 | 0 | 0 | 0 |
| 3 | 42250001 | 43900000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 43900001 | 43950000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 43950001 | 46900000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 46900001 | 46950000 |  | 2 | 25 | 0 | 0 |
| 3 | 46950001 | 47050000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 47050001 | 47322415 | SETD2 | 0 | 0 | 0 | 0 |
| 3 | 47322416 | 47339171 |  | 0 | 0 | 1 | 12.5 |
| 3 | 47339172 | 47850000 |  | 0 | 0 | 0 | 0 |
| 3 | 47850001 | 47900000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 47900001 | 48450000 |  | 0 | 0 | 0 | 0 |
| 3 | 48450001 | 48650000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 48650001 | 48700000 |  | 0 | 0 | 0 | 0 |
| 3 | 48700001 | 48800000 | NCKIPSD | 1 | 12.5 | 0 | 0 |
| 3 | 48800001 | 49000000 |  | 0 | 0 | 0 | 0 |
| 3 | 49000001 | 49200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 49200001 | 49350000 |  | 0 | 0 | 0 | 0 |
| 3 | 49350001 | 49400000 | RHOA | 1 | 12.5 | 0 | 0 |
| 3 | 49400001 | 49650000 | RHOA | 0 | 0 | 0 | 0 |
| 3 | 49650001 | 49750000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 49750001 | 50100000 |  | 0 | 0 | 0 | 0 |
| 3 | 50100001 | 50150000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 50150001 | 50250000 |  | 2 | 25 | 0 | 0 |
| 3 | 50250001 | 50294984 |  | 2 | 25 | 0 | 0 |
| 3 | 50294985 | 50300000 |  | 3 | 37.5 | 0 | 0 |
| 3 | 50300001 | 50313313 |  | 3 | 37.5 | 0 | 0 |
| 3 | 50313314 | 50400000 |  | 2 | 25 | 0 | 0 |
| 3 | 50400001 | 50700000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 50700001 | 50914826 |  | 1 | 12.5 | 0 | 0 |
| 3 | 50914827 | 51450000 |  | 2 | 25 | 0 | 0 |
| 3 | 51450001 | 51650000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 51650001 | 51696551 |  | 2 | 25 | 0 | 0 |
| 3 | 51696552 | 52000000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 52000001 | 52050000 |  | 2 | 25 | 0 | 0 |
| 3 | 52050001 | 52250000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 2800001 | 4250000 | CARD11 | 2 | 25 | 0 | 0 |
| 3 | 52600001 | 52800000 | PBRM1 | 0 | 0 | 0 | 0 |
| 3 | 52800001 | 53250000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 53250001 | 53300000 |  | 2 | 25 | 0 | 0 |
| 3 | 53300001 | 53800000 | CACNA1D | 1 | 12.5 | 0 | 0 |
| 7 | 5800560 | 6650000 | PMS2,RAC1 | 2 | 25 | 0 | 0 |
| 3 | 53900001 | 54500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 54500001 | 54550000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 54550001 | 56500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 56500001 | 56650000 |  | 0 | 0 | 0 | 0 |
| 3 | 56650001 | 57250000 |  | 0 | 0 | 0 | 0 |
| 3 | 57250001 | 57650000 |  | 0 | 0 | 0 | 0 |
| 3 | 57650001 | 58100000 |  | 0 | 0 | 0 | 0 |
| 3 | 58100001 | 58500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 58500001 | 59200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 59200001 | 64550000 | FHIT | 1 | 12.5 | 0 | 0 |
| 3 | 64550001 | 64600000 |  | 2 | 25 | 0 | 0 |
| 3 | 64600001 | 66448612 |  | 1 | 12.5 | 0 | 0 |
| 3 | 66448613 | 67660101 |  | 1 | 12.5 | 1 | 12.5 |
| 3 | 67660102 | 71950000 | MITF,FOXP1 | 1 | 12.5 | 0 | 0 |
| 3 | 71950001 | 72000000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 72000001 | 75400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 75400001 | 75700000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 75700001 | 75750000 |  | 0 | 0 | 5 | 62.5 |
| 3 | 75750001 | 75800000 |  | 0 | 0 | 5 | 62.5 |
| 3 | 75800001 | 76000000 | ROBO2 | 1 | 12.5 | 0 | 0 |
| 3 | 76000001 | 76050000 | ROBO2 | 1 | 12.5 | 0 | 0 |
| 3 | 76050001 | 76350000 | ROBO2 | 1 | 12.5 | 0 | 0 |
| 3 | 76350001 | 76450000 | ROBO2 | 1 | 12.5 | 0 | 0 |
| 3 | 76450001 | 81450000 | ROBO2 | 1 | 12.5 | 0 | 0 |
| 3 | 81450001 | 81950000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 81950001 | 82950000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 82950001 | 84150000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 84150001 | 90300000 | EPHA3 | 1 | 12.5 | 0 | 0 |
| 3 | 90300001 | 90500000 |  | 2 | 25 | 0 | 0 |
| 3 | 90500001 | 98400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 98400001 | 98450000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 98450001 | 98500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 98500001 | 98526884 |  | 1 | 12.5 | 0 | 0 |
| 3 | 98526885 | 98539257 |  | 2 | 25 | 0 | 0 |
| 3 | 98539258 | 98550000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 98550001 | 99350000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 99350001 | 99600000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 99600001 | 99650000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 99650001 | 104150000 | TFG | 1 | 12.5 | 0 | 0 |
| 3 | 104150001 | 104400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 104400001 | 104550000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 104550001 | 107900000 | CBLB | 1 | 12.5 | 0 | 0 |
| 3 | 107900001 | 108500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 108500001 | 108950000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 108950001 | 109150000 |  | 0 | 0 | 0 | 0 |
| 3 | 109150001 | 112100000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 112100001 | 112300000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 112300001 | 112550000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 112550001 | 112715736 |  | 1 | 12.5 | 0 | 0 |
| 3 | 112715737 | 112719835 |  | 2 | 25 | 0 | 0 |
| 3 | 112719836 | 112900000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 112900001 | 113500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 113500001 | 113550000 |  | 2 | 25 | 0 | 0 |
| 3 | 113550001 | 115150000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 115150001 | 115200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 115200001 | 120840430 |  | 1 | 12.5 | 0 | 0 |
| 3 | 120840431 | 120952574 |  | 2 | 25 | 0 | 0 |
| 3 | 120952575 | 123950000 | POLQ | 1 | 12.5 | 0 | 0 |
| 3 | 123950001 | 124200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 124200001 | 124950000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 124950001 | 125000000 |  | 0 | 0 | 0 | 0 |
| 3 | 125000001 | 125350000 |  | 0 | 0 | 0 | 0 |
| 3 | 125350001 | 125700000 |  | 0 | 0 | 0 | 0 |
| 3 | 125700001 | 127400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 127400001 | 127450000 |  | 2 | 25 | 0 | 0 |
| 3 | 127450001 | 128250000 | GATA2 | 1 | 12.5 | 0 | 0 |
| 3 | 128250001 | 128300000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 128300001 | 128500000 | RPN1 | 1 | 12.5 | 0 | 0 |
| 3 | 128500001 | 128550000 |  | 2 | 25 | 0 | 0 |
| 3 | 128550001 | 129000000 | CNBP | 1 | 12.5 | 0 | 0 |
| 3 | 129000001 | 129100000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 129100001 | 129275433 |  | 1 | 12.5 | 0 | 0 |
| 3 | 129275434 | 129650000 |  | 1 | 12.5 | 1 | 12.5 |
| 3 | 129650001 | 130132461 |  | 1 | 12.5 | 1 | 12.5 |
| 3 | 130132462 | 132250000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 132250001 | 132400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 132400001 | 132450000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 132450001 | 132500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 132500001 | 132750000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 132750001 | 133400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 133400001 | 133450000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 133450001 | 135750000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 135750001 | 136650000 | STAG1 | 0 | 0 | 0 | 0 |
| 3 | 136650001 | 136700000 |  | 0 | 0 | 0 | 0 |
| 3 | 136700001 | 136850000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 136850001 | 138250000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 138250001 | 138300000 |  | 0 | 0 | 0 | 0 |
| 3 | 138300001 | 138650000 | PIK3CB | 0 | 0 | 0 | 0 |
| 3 | 138650001 | 139050000 | FOXL2 | 1 | 12.5 | 0 | 0 |
| 3 | 139050001 | 139200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 139200001 | 141050000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 141050001 | 141150000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 141150001 | 141200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 141200001 | 142500000 | ATR | 0 | 0 | 0 | 0 |
| 3 | 142500001 | 142751662 |  | 1 | 12.5 | 0 | 0 |
| 3 | 142751663 | 142775355 |  | 2 | 25 | 0 | 0 |
| 3 | 142775356 | 153200000 | WWTR1 | 1 | 12.5 | 0 | 0 |
| 3 | 153200001 | 153250000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 153250001 | 159700000 | GMPS,MLF1 | 1 | 12.5 | 0 | 0 |
| 3 | 159700001 | 160120430 |  | 1 | 12.5 | 0 | 0 |
| 3 | 160120431 | 160248807 |  | 2 | 25 | 0 | 0 |
| 3 | 160248808 | 160350000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 160350001 | 160400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 160400001 | 162200000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 162200001 | 162250000 |  | 1 | 12.5 | 2 | 25 |
| 3 | 162250001 | 162500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 162500001 | 162600000 |  | 0 | 0 | 5 | 62.5 |
| 3 | 162600001 | 162650000 |  | 0 | 0 | 5 | 62.5 |
| 3 | 162650001 | 163600000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 163600001 | 163750000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 163750001 | 165500000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 165500001 | 165550000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 165550001 | 165900000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 165900001 | 166400000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 166400001 | 166950000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 166950001 | 167050000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 167050001 | 169550000 | MECOM | 1 | 12.5 | 0 | 0 |
| 3 | 169550001 | 169600000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 169600001 | 169800000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 169800001 | 170150000 |  | 0 | 0 | 0 | 0 |
| 3 | 170150001 | 173600000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 173600001 | 173650000 |  | 2 | 25 | 0 | 0 |
| 3 | 173650001 | 180319993 | TBL1XR1,PIK3CA | 1 | 12.5 | 0 | 0 |
| 3 | 180319994 | 180675823 |  | 2 | 25 | 0 | 0 |
| 3 | 180675824 | 182350000 | SOX2 | 1 | 12.5 | 0 | 0 |
| 3 | 182350001 | 183850000 |  | 0 | 0 | 0 | 0 |
| 3 | 183850001 | 183900000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 183900001 | 184100000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 184100001 | 185100000 | MAP3K13 | 0 | 0 | 0 | 0 |
| 3 | 185100001 | 185150000 | MAP3K13 | 1 | 12.5 | 0 | 0 |
| 3 | 185150001 | 185750000 | MAP3K13 | 0 | 0 | 0 | 0 |
| 3 | 185750001 | 185800000 | ETV5 | 1 | 12.5 | 0 | 0 |
| 3 | 185800001 | 194325018 | ETV5,EIF4A2,BCL6,LPP,TP63,MB21D2 | 1 | 12.5 | 0 | 0 |
| 3 | 194325019 | 194344502 |  | 1 | 12.5 | 1 | 12.5 |
| 3 | 194344503 | 195000000 |  | 1 | 12.5 | 0 | 0 |
| 3 | 195000001 | 195450000 |  | 0 | 0 | 0 | 0 |
| 7 | 27150001 | 27250000 | HOXA9,HOXA11,HOXA13 | 3 | 37.5 | 0 | 0 |
| 3 | 195500001 | 197800000 | MUC4,TFRC | 0 | 0 | 0 | 0 |
| 4 | 50001 | 53238 |  | 6 | 75 | 0 | 0 |
| 4 | 53239 | 67805 |  | 7 | 87.5 | 0 | 0 |
| 4 | 67806 | 100000 |  | 7 | 87.5 | 0 | 0 |
| 4 | 100001 | 517304 |  | 1 | 12.5 | 0 | 0 |
| 4 | 600001 | 650000 |  | 0 | 0 | 0 | 0 |
| 4 | 650001 | 950000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 950001 | 1050000 |  | 1 | 12.5 | 1 | 12.5 |
| 4 | 1050001 | 1150000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 1150001 | 1200000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 1200001 | 1250000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 1700001 | 1750000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 1750001 | 1800000 | FGFR3 | 0 | 0 | 4 | 50 |
| 4 | 1800001 | 1850000 | FGFR3 | 1 | 12.5 | 0 | 0 |
| 4 | 2355655 | 2451541 |  | 0 | 0 | 1 | 12.5 |
| 4 | 2500001 | 2650000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 2900001 | 2950000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 5800001 | 5850000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 6600001 | 6650000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 7000001 | 7100000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 10050001 | 10100000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 10100001 | 10200000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 10200001 | 10250000 |  | 1 | 12.5 | 2 | 25 |
| 4 | 10250001 | 10350000 |  | 3 | 37.5 | 0 | 0 |
| 4 | 10350001 | 10400000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 10700001 | 10900000 |  | 0 | 0 | 0 | 0 |
| 4 | 13300001 | 13450000 |  | 0 | 0 | 0 | 0 |
| 4 | 15443753 | 15482842 |  | 0 | 0 | 1 | 12.5 |
| 4 | 15600001 | 15650000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 17500001 | 17600000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 17841335 | 17876742 |  | 1 | 12.5 | 0 | 0 |
| 4 | 18250001 | 18500000 |  | 0 | 0 | 0 | 0 |
| 4 | 32700001 | 32850000 |  | 0 | 0 | 0 | 0 |
| 4 | 33800001 | 34050000 |  | 0 | 0 | 0 | 0 |
| 4 | 34750001 | 34850000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 36950001 | 37250000 |  | 0 | 0 | 0 | 0 |
| 4 | 38400001 | 38500000 |  | 0 | 0 | 0 | 0 |
| 4 | 39550001 | 40100000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 40400001 | 40450000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 41850001 | 41950000 |  | 0 | 0 | 0 | 0 |
| 4 | 46400001 | 46500000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 47853032 | 47857250 |  | 1 | 12.5 | 0 | 0 |
| 4 | 48550001 | 48950000 |  | 0 | 0 | 0 | 0 |
| 4 | 53350001 | 53497224 |  | 0 | 0 | 0 | 0 |
| 4 | 53497225 | 53524423 |  | 0 | 0 | 1 | 12.5 |
| 4 | 53524424 | 53850000 |  | 0 | 0 | 0 | 0 |
| 4 | 55700001 | 55750000 |  | 0 | 0 | 0 | 0 |
| 4 | 57650001 | 57850000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 57850001 | 57900000 |  | 1 | 12.5 | 1 | 12.5 |
| 4 | 57900001 | 58000000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 67800001 | 68250000 |  | 0 | 0 | 0 | 0 |
| 4 | 68250001 | 68300000 |  | 5 | 62.5 | 0 | 0 |
| 4 | 68300001 | 68450000 |  | 0 | 0 | 0 | 0 |
| 4 | 69197800 | 69450000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 69450001 | 69500000 |  | 1 | 12.5 | 4 | 50 |
| 4 | 69500001 | 69900000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 69900001 | 70000000 |  | 2 | 25 | 0 | 0 |
| 4 | 70000001 | 70455184 |  | 1 | 12.5 | 0 | 0 |
| 4 | 71100001 | 71450000 |  | 0 | 0 | 0 | 0 |
| 4 | 71650001 | 71700000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 72400001 | 72450000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 75950001 | 76000000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 77050001 | 77100000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 77134496 | 77172985 |  | 0 | 0 | 1 | 12.5 |
| 4 | 77177288 | 77950000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 77950001 | 78000000 |  | 2 | 25 | 0 | 0 |
| 4 | 78000001 | 78873758 |  | 1 | 12.5 | 0 | 0 |
| 4 | 78882206 | 79440698 |  | 1 | 12.5 | 0 | 0 |
| 4 | 83826993 | 83832001 |  | 1 | 12.5 | 0 | 0 |
| 4 | 86450001 | 86600000 |  | 0 | 0 | 0 | 0 |
| 4 | 88800001 | 88850000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 88900001 | 88950000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 92250001 | 92600000 |  | 0 | 0 | 0 | 0 |
| 4 | 99750001 | 99800000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 99800001 | 99802259 |  | 0 | 0 | 1 | 12.5 |
| 4 | 99802260 | 99900000 |  | 0 | 0 | 2 | 25 |
| 4 | 99900001 | 99917045 |  | 0 | 0 | 1 | 12.5 |
| 4 | 104044026 | 104082645 |  | 1 | 12.5 | 0 | 0 |
| 4 | 104800001 | 105050000 |  | 0 | 0 | 0 | 0 |
| 4 | 105050001 | 105300000 |  | 0 | 0 | 0 | 0 |
| 4 | 105300001 | 105500000 |  | 0 | 0 | 0 | 0 |
| 4 | 111450001 | 111500000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 113450001 | 113750000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 128750001 | 129100000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 129873478 | 130003574 |  | 1 | 12.5 | 0 | 0 |
| 4 | 134650001 | 135050000 |  | 0 | 0 | 0 | 0 |
| 4 | 139850001 | 140300000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 144455995 | 144471364 |  | 1 | 12.5 | 0 | 0 |
| 4 | 147700001 | 148300000 |  | 0 | 0 | 0 | 0 |
| 4 | 151935707 | 152025814 |  | 0 | 0 | 1 | 12.5 |
| 4 | 159750001 | 159850000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 164800001 | 165100000 |  | 0 | 0 | 0 | 0 |
| 4 | 165650001 | 166100000 |  | 0 | 0 | 1 | 12.5 |
| 4 | 166400001 | 166600000 |  | 0 | 0 | 0 | 0 |
| 4 | 166951557 | 166964607 |  | 1 | 12.5 | 0 | 0 |
| 4 | 170900001 | 170950000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 171100001 | 171300000 |  | 0 | 0 | 0 | 0 |
| 4 | 173000001 | 173150000 |  | 0 | 0 | 0 | 0 |
| 4 | 176150001 | 176250000 |  | 0 | 0 | 0 | 0 |
| 4 | 177550001 | 177800000 |  | 0 | 0 | 0 | 0 |
| 4 | 183245205 | 183673130 |  | 1 | 12.5 | 0 | 0 |
| 4 | 185650001 | 185700000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 186379195 | 186382316 |  | 1 | 12.5 | 0 | 0 |
| 4 | 187100001 | 187150000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 187208844 | 187500000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 54100001 | 55650000 | EGFR | 2 | 25 | 0 | 0 |
| 4 | 187550001 | 189025947 | FAT1 | 1 | 12.5 | 0 | 0 |
| 4 | 189025948 | 189065049 |  | 1 | 12.5 | 1 | 12.5 |
| 4 | 189065050 | 189065189 |  | 0 | 0 | 1 | 12.5 |
| 4 | 189065190 | 189068463 |  | 1 | 12.5 | 1 | 12.5 |
| 4 | 189068464 | 190500000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 190500001 | 190650000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 190650001 | 190700000 |  | 6 | 75 | 0 | 0 |
| 4 | 190700001 | 190800000 |  | 1 | 12.5 | 0 | 0 |
| 4 | 190800001 | 190883079 |  | 1 | 12.5 | 0 | 0 |
| 4 | 190884192 | 190947991 |  | 1 | 12.5 | 0 | 0 |
| 5 | 450001 | 500000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 879883 | 901657 |  | 1 | 12.5 | 0 | 0 |
| 5 | 904217 | 1000000 |  | 0 | 0 | 1 | 12.5 |
| 5 | 1000001 | 1050000 |  | 0 | 0 | 2 | 25 |
| 5 | 1050001 | 1100000 |  | 1 | 12.5 | 2 | 25 |
| 5 | 1100001 | 1300000 | TERT | 0 | 0 | 1 | 12.5 |
| 5 | 1300001 | 1350000 |  | 1 | 12.5 | 1 | 12.5 |
| 5 | 1350001 | 3600813 |  | 0 | 0 | 1 | 12.5 |
| 5 | 4930099 | 5140934 |  | 0 | 0 | 1 | 12.5 |
| 5 | 7600001 | 7650000 |  | 0 | 0 | 0 | 0 |
| 5 | 9000001 | 9050000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 10250001 | 10300000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 10350001 | 10400000 |  | 0 | 0 | 0 | 0 |
| 5 | 10400001 | 10450000 |  | 0 | 0 | 0 | 0 |
| 5 | 10650001 | 10700000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 12400001 | 12700000 |  | 0 | 0 | 0 | 0 |
| 5 | 16250001 | 16350000 |  | 0 | 0 | 0 | 0 |
| 5 | 16450001 | 16500000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 17350001 | 17400000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 19250001 | 19300000 |  | 0 | 0 | 0 | 0 |
| 5 | 23850001 | 24000000 |  | 0 | 0 | 0 | 0 |
| 5 | 27000001 | 27650000 |  | 0 | 0 | 0 | 0 |
| 5 | 29500001 | 29550000 |  | 0 | 0 | 1 | 12.5 |
| 5 | 32100001 | 32150000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 33950001 | 34000000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 35600001 | 35800000 |  | 0 | 0 | 0 | 0 |
| 5 | 39285236 | 39316152 |  | 1 | 12.5 | 0 | 0 |
| 5 | 39350001 | 39400000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 40600001 | 40850000 |  | 0 | 0 | 0 | 0 |
| 5 | 42800001 | 42850000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 43535042 | 43548054 |  | 0 | 0 | 1 | 12.5 |
| 5 | 44750001 | 44850000 |  | 0 | 0 | 0 | 0 |
| 5 | 54623493 | 54636037 |  | 1 | 12.5 | 0 | 0 |
| 5 | 55200001 | 55250000 | IL6ST | 1 | 12.5 | 0 | 0 |
| 5 | 59250001 | 59500000 |  | 0 | 0 | 0 | 0 |
| 5 | 67550001 | 67600000 | PIK3R1 | 1 | 12.5 | 0 | 0 |
| 5 | 68350001 | 70950000 |  | 0 | 0 | 1 | 12.5 |
| 5 | 74000001 | 74100000 |  | 0 | 0 | 0 | 0 |
| 5 | 78350001 | 78400000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 82400001 | 82600000 |  | 0 | 0 | 0 | 0 |
| 5 | 86200001 | 86250000 |  | 0 | 0 | 0 | 0 |
| 5 | 86250001 | 86350000 |  | 0 | 0 | 0 | 0 |
| 5 | 86350001 | 86400000 |  | 0 | 0 | 0 | 0 |
| 5 | 89450001 | 89800000 |  | 0 | 0 | 0 | 0 |
| 5 | 89918408 | 91700000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 91700001 | 92400000 |  | 2 | 25 | 0 | 0 |
| 5 | 92400001 | 92800000 |  | 2 | 25 | 0 | 0 |
| 5 | 92800001 | 93805818 |  | 2 | 25 | 0 | 0 |
| 5 | 93805819 | 100750000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 100750001 | 101100000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 101100001 | 102400000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 102400001 | 102500000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 102500001 | 108900000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 108900001 | 109100000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 109100001 | 110500000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 110500001 | 110800000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 110800001 | 112150000 | APC | 1 | 12.5 | 0 | 0 |
| 7 | 90750001 | 94182423 | AKAP9,CDK6 | 2 | 25 | 0 | 0 |
| 5 | 112250001 | 112550000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 112550001 | 112650000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 112650001 | 112800000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 112800001 | 112950000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 112950001 | 116600000 |  | 1 | 12.5 | 0 | 0 |
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| 5 | 116650001 | 118850000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 118850001 | 119350000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 119350001 | 120350000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 120350001 | 122650000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 122650001 | 122750000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 122750001 | 125850000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 126150001 | 130400000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 130797434 | 130825344 |  | 1 | 12.5 | 0 | 0 |
| 5 | 131300001 | 131700000 | ACSL6 | 1 | 12.5 | 0 | 0 |
| 5 | 131700001 | 131750000 |  | 2 | 25 | 0 | 0 |
| 5 | 131750001 | 131850000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 131850001 | 132200000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 114700001 | 117050000 | MET | 2 | 25 | 0 | 0 |
| 5 | 132450001 | 133250000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 133250001 | 133350000 |  | 2 | 25 | 0 | 0 |
| 5 | 133350001 | 133500000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 134300001 | 134650000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 134650001 | 134700000 |  | 2 | 25 | 0 | 0 |
| 5 | 134700001 | 135273087 |  | 1 | 12.5 | 0 | 0 |
| 5 | 135273088 | 136448205 |  | 2 | 25 | 0 | 0 |
| 5 | 136448206 | 137100000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 137774876 | 137800000 |  | 0 | 0 | 1 | 12.5 |
| 5 | 137800001 | 137900000 |  | 1 | 12.5 | 1 | 12.5 |
| 5 | 137900001 | 138118076 |  | 0 | 0 | 1 | 12.5 |
| 5 | 138250001 | 138300000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 138650001 | 138750000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 138950001 | 139000000 |  | 0 | 0 | 0 | 0 |
| 5 | 139000001 | 139050000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 139050001 | 139900000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 139900001 | 139950000 |  | 2 | 25 | 0 | 0 |
| 5 | 139950001 | 140000000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 140000001 | 140053076 |  | 2 | 25 | 0 | 0 |
| 5 | 140053077 | 140100000 |  | 3 | 37.5 | 0 | 0 |
| 5 | 140100001 | 140850000 |  | 2 | 25 | 0 | 0 |
| 5 | 140850001 | 140890541 |  | 3 | 37.5 | 0 | 0 |
| 5 | 140890542 | 140900000 |  | 2 | 25 | 0 | 0 |
| 5 | 140900001 | 141300000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 141300001 | 141400000 |  | 2 | 25 | 0 | 0 |
| 5 | 141400001 | 143100000 | ARHGAP26 | 1 | 12.5 | 0 | 0 |
| 5 | 143100001 | 143150000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 143150001 | 144050000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 144050001 | 144250000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 144250001 | 144550000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 144550001 | 147650000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 147650001 | 147850000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 147850001 | 149400000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 135550001 | 137600000 | CREB3L2 | 2 | 25 | 0 | 0 |
| 5 | 149500001 | 149750000 | PDGFRB | 1 | 12.5 | 0 | 0 |
| 7 | 137600001 | 137700000 | CREB3L2 | 2 | 25 | 0 | 0 |
| 5 | 149800001 | 150000000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 150000001 | 150100000 |  | 2 | 25 | 0 | 0 |
| 5 | 150100001 | 150200000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 150200001 | 150250000 |  | 0 | 0 | 2 | 25 |
| 5 | 150250001 | 150400000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 150400001 | 150450000 |  | 2 | 25 | 0 | 0 |
| 5 | 150450001 | 150600000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 150600001 | 150650000 |  | 2 | 25 | 0 | 0 |
| 5 | 150650001 | 151000000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 151000001 | 151050000 |  | 2 | 25 | 0 | 0 |
| 5 | 151050001 | 153900000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 153900001 | 154150000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 154150001 | 154200000 |  | 2 | 25 | 0 | 0 |
| 5 | 154200001 | 156450000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 156450001 | 156550000 |  | 2 | 25 | 0 | 0 |
| 5 | 156550001 | 159400000 | ITK,EBF1 | 1 | 12.5 | 0 | 0 |
| 5 | 159400001 | 159600000 | PWWP2A | 1 | 12.5 | 0 | 0 |
| 5 | 159600001 | 159700000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 159700001 | 159800000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 159800001 | 159833537 |  | 1 | 12.5 | 0 | 0 |
| 5 | 159833538 | 159841444 |  | 2 | 25 | 0 | 0 |
| 5 | 159841445 | 159842133 |  | 1 | 12.5 | 0 | 0 |
| 5 | 159842134 | 161580406 |  | 1 | 12.5 | 1 | 12.5 |
| 5 | 161580407 | 162650000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 162650001 | 162850000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 162850001 | 162866309 |  | 2 | 25 | 0 | 0 |
| 5 | 162866310 | 162868375 |  | 3 | 37.5 | 0 | 0 |
| 5 | 162868376 | 162900000 |  | 2 | 25 | 0 | 0 |
| 5 | 162900001 | 162950000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 162950001 | 164150000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 164150001 | 164350000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 164350001 | 167950000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 167950001 | 168000000 |  | 2 | 25 | 0 | 0 |
| 5 | 168000001 | 168050000 |  | 2 | 25 | 0 | 0 |
| 5 | 168050001 | 168100000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 168100001 | 168150000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 168150001 | 170200000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 170200001 | 170736409 | TLX3 | 1 | 12.5 | 0 | 0 |
| 5 | 170736410 | 170818890 | TLX3,NPM1 | 1 | 12.5 | 1 | 12.5 |
| 5 | 170818891 | 172150000 | NPM1 | 1 | 12.5 | 0 | 0 |
| 5 | 172150001 | 172200000 |  | 2 | 25 | 0 | 0 |
| 5 | 172200001 | 172350000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 172350001 | 172400000 |  | 2 | 25 | 0 | 0 |
| 5 | 172400001 | 175750000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 175750001 | 175800000 |  | 2 | 25 | 0 | 0 |
| 5 | 175800001 | 176150000 |  | 2 | 25 | 0 | 0 |
| 5 | 176150001 | 176350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 6600001 | 7300000 | CHD4,ZNF384,PTPN6 | 2 | 25 | 0 | 0 |
| 5 | 177050001 | 179000000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 179000001 | 179050000 |  | 2 | 25 | 0 | 0 |
| 5 | 179050001 | 179100000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 179100001 | 179150000 |  | 2 | 25 | 0 | 0 |
| 5 | 179150001 | 179300000 |  | 2 | 25 | 0 | 0 |
| 5 | 179300001 | 180300000 | FLT4 | 1 | 12.5 | 0 | 0 |
| 5 | 180300001 | 180350000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 180350001 | 180450000 |  | 0 | 0 | 2 | 25 |
| 5 | 180450001 | 180700000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 180700001 | 180915260 |  | 1 | 12.5 | 0 | 0 |
| 6 | 1 | 150000 |  | 4 | 50 | 0 | 0 |
| 6 | 150001 | 200000 |  | 0 | 0 | 5 | 62.5 |
| 6 | 200001 | 250000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 250001 | 300000 |  | 5 | 62.5 | 0 | 0 |
| 6 | 300001 | 350000 |  | 6 | 75 | 0 | 0 |
| 12 | 57900001 | 58250000 | DDIT3,CDK4 | 2 | 25 | 0 | 0 |
| 6 | 400001 | 7250000 | IRF4 | 1 | 12.5 | 0 | 0 |
| 6 | 7250001 | 7300000 |  | 2 | 25 | 0 | 0 |
| 6 | 7300001 | 7850000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 7850001 | 7900000 |  | 2 | 25 | 0 | 0 |
| 6 | 7900001 | 17100000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 17100001 | 17250000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 17250001 | 24150000 | DEK | 1 | 12.5 | 0 | 0 |
| 6 | 24150001 | 24500000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 24500001 | 24700000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 24700001 | 24750000 |  | 2 | 25 | 0 | 0 |
| 6 | 24750001 | 25750000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 25750001 | 26000000 |  | 2 | 25 | 0 | 0 |
| 6 | 26000001 | 26350000 | HIST1H3B | 1 | 12.5 | 0 | 0 |
| 6 | 26350001 | 26411221 |  | 2 | 25 | 0 | 0 |
| 6 | 26411222 | 26428297 |  | 3 | 37.5 | 0 | 0 |
| 6 | 26428298 | 26428841 |  | 2 | 25 | 0 | 0 |
| 6 | 26428842 | 26550000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 38350001 | 38500000 | RARA | 3 | 37.5 | 0 | 0 |
| 6 | 27150001 | 27950000 |  | 2 | 25 | 0 | 0 |
| 6 | 27950001 | 28250000 |  | 2 | 25 | 0 | 0 |
| 17 | 40150001 | 41121278 | STAT5B,STAT3 | 2 | 25 | 0 | 0 |
| 17 | 48165008 | 48263911 | COL1A1 | 3 | 37.5 | 0 | 0 |
| 6 | 30000001 | 30450000 |  | 2 | 25 | 0 | 0 |
| 6 | 30450001 | 30500000 |  | 3 | 37.5 | 0 | 0 |
| 6 | 30500001 | 30650000 |  | 3 | 37.5 | 0 | 0 |
| 6 | 30650001 | 30700000 |  | 3 | 37.5 | 0 | 0 |
| 6 | 30700001 | 30850000 |  | 2 | 25 | 0 | 0 |
| 6 | 30850001 | 30900000 |  | 3 | 37.5 | 0 | 0 |
| 6 | 30900001 | 30955916 |  | 2 | 25 | 0 | 0 |
| 6 | 30955917 | 31200000 | POU5F1 | 1 | 12.5 | 0 | 0 |
| 6 | 31200001 | 31250000 |  | 2 | 25 | 0 | 0 |
| 6 | 31250001 | 31300000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 31300001 | 31350000 |  | 2 | 25 | 0 | 0 |
| 6 | 31350001 | 31600000 |  | 2 | 25 | 0 | 0 |
| 6 | 31600001 | 31850000 |  | 2 | 25 | 0 | 0 |
| 6 | 31850001 | 31900000 |  | 2 | 25 | 0 | 0 |
| 6 | 31900001 | 31950000 |  | 2 | 25 | 0 | 0 |
| 6 | 31950001 | 32050000 |  | 2 | 25 | 0 | 0 |
| 6 | 32050001 | 32200000 |  | 2 | 25 | 0 | 0 |
| 6 | 32200001 | 32400000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 32400001 | 32450000 |  | 2 | 25 | 0 | 0 |
| 6 | 32450001 | 32500000 |  | 1 | 12.5 | 5 | 62.5 |
| 6 | 32500001 | 32600000 |  | 1 | 12.5 | 2 | 25 |
| 6 | 32600001 | 32650000 |  | 1 | 12.5 | 3 | 37.5 |
| 6 | 32650001 | 32700000 |  | 1 | 12.5 | 1 | 12.5 |
| 6 | 32700001 | 32900000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 32900001 | 33050000 |  | 2 | 25 | 0 | 0 |
| 6 | 33050001 | 33100000 |  | 2 | 25 | 0 | 0 |
| 6 | 33100001 | 33150000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 33150001 | 33200000 |  | 2 | 25 | 0 | 0 |
| 6 | 33200001 | 33250000 |  | 2 | 25 | 0 | 0 |
| 17 | 48263912 | 48263915 | COL1A1 | 2 | 25 | 0 | 0 |
| 6 | 33300001 | 33350000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 33350001 | 33400000 |  | 2 | 25 | 0 | 0 |
| 6 | 33400001 | 34200000 |  | 1 | 12.5 | 0 | 0 |
| 17 | 48263916 | 49050000 | COL1A1 | 3 | 37.5 | 0 | 0 |
| 6 | 34250001 | 34600000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 34600001 | 34850000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 34850001 | 36650000 | FANCE,SRSF3,CDKN1A | 1 | 12.5 | 0 | 0 |
| 17 | 56500001 | 59700000 | CLTC,PPM1D | 2 | 25 | 0 | 0 |
| 6 | 36700001 | 36850000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 36850001 | 37050000 |  | 2 | 25 | 0 | 0 |
| 6 | 37050001 | 38100000 | PIM1 | 1 | 12.5 | 0 | 0 |
| 6 | 38100001 | 38150000 |  | 2 | 25 | 0 | 0 |
| 6 | 38150001 | 38950000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 38950001 | 39400000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 39400001 | 39650000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 39650001 | 41750000 | TFEB | 1 | 12.5 | 0 | 0 |
| 6 | 41750001 | 42850000 | CCND3 | 1 | 12.5 | 0 | 0 |
| 6 | 42850001 | 43050000 |  | 2 | 25 | 0 | 0 |
| 6 | 43050001 | 43450000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 43450001 | 43500000 |  | 2 | 25 | 0 | 0 |
| 6 | 43500001 | 43700000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 43700001 | 44200000 |  | 1 | 12.5 | 0 | 0 |
| 17 | 60150001 | 62550000 | CD79B,DDX5 | 2 | 25 | 0 | 0 |
| 6 | 44250001 | 44950000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 44950001 | 45400000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 45400001 | 45450000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 45750001 | 46100000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 46100001 | 46200000 |  | 2 | 25 | 0 | 0 |
| 6 | 46200001 | 48950000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 48950001 | 50500000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 50500001 | 54300000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 54300001 | 55100000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 55100001 | 55300000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 55300001 | 57250000 | BMP5 | 1 | 12.5 | 0 | 0 |
| 6 | 57250001 | 57300000 |  | 5 | 62.5 | 0 | 0 |
| 6 | 57300001 | 57400000 |  | 2 | 25 | 0 | 0 |
| 6 | 57400001 | 57500000 |  | 5 | 62.5 | 0 | 0 |
| 6 | 57500001 | 63200000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 63200001 | 64250000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 64250001 | 64300000 |  | 2 | 25 | 0 | 0 |
| 6 | 64300001 | 66000000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 66000001 | 66050000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 66050001 | 68150000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 68150001 | 68300000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 68300001 | 68500000 |  | 0 | 0 | 0 | 0 |
| 6 | 68500001 | 68850000 |  | 0 | 0 | 0 | 0 |
| 6 | 69900001 | 70300000 |  | 0 | 0 | 0 | 0 |
| 6 | 73900001 | 74200000 |  | 0 | 0 | 1 | 12.5 |
| 6 | 74200001 | 74250000 |  | 1 | 12.5 | 1 | 12.5 |
| 6 | 74250001 | 74400000 |  | 0 | 0 | 1 | 12.5 |
| 6 | 74400001 | 74950000 |  | 0 | 0 | 0 | 0 |
| 6 | 75950001 | 76000000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 80150001 | 80450000 |  | 0 | 0 | 0 | 0 |
| 6 | 84200001 | 84400000 |  | 0 | 0 | 0 | 0 |
| 6 | 89950001 | 90050000 |  | 0 | 0 | 0 | 0 |
| 6 | 90050001 | 90100000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 90100001 | 90600000 |  | 0 | 0 | 0 | 0 |
| 6 | 99100001 | 99400000 |  | 0 | 0 | 0 | 0 |
| 6 | 103700001 | 103800000 |  | 0 | 0 | 1 | 12.5 |
| 6 | 105219770 | 105228387 |  | 1 | 12.5 | 0 | 0 |
| 6 | 109650001 | 109700000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 109700001 | 109800000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 116550001 | 116600000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 120550001 | 120700000 |  | 0 | 0 | 0 | 0 |
| 6 | 122750001 | 122800000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 149800001 | 150150000 |  | 0 | 0 | 1 | 12.5 |
| 6 | 153200001 | 153400000 |  | 0 | 0 | 0 | 0 |
| 6 | 159150001 | 159200000 | EZR | 1 | 12.5 | 0 | 0 |
| 6 | 160100001 | 160150000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 160500001 | 160550000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 160600001 | 160700000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 162900001 | 163250000 |  | 1 | 12.5 | 0 | 0 |
| 6 | 169750001 | 170050000 |  | 0 | 0 | 0 | 0 |
| 6 | 170880489 | 170892834 |  | 0 | 0 | 1 | 12.5 |
| 7 | 1 | 100000 |  | 2 | 25 | 0 | 0 |
| 7 | 100001 | 193220 |  | 2 | 25 | 0 | 0 |
| 7 | 193221 | 298683 |  | 3 | 37.5 | 1 | 12.5 |
| 7 | 298684 | 450000 |  | 2 | 25 | 1 | 12.5 |
| 7 | 450001 | 717071 |  | 1 | 12.5 | 1 | 12.5 |
| 7 | 717072 | 1550000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 1550001 | 2650000 |  | 2 | 25 | 0 | 0 |
| 7 | 2650001 | 2800000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 72900001 | 73900000 | H3F3B | 2 | 25 | 0 | 0 |
| 7 | 4250001 | 4400000 |  | 2 | 25 | 0 | 0 |
| 7 | 4400001 | 4950000 |  | 2 | 25 | 0 | 0 |
| 7 | 4950001 | 5550000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 5550001 | 5600000 |  | 2 | 25 | 0 | 0 |
| 7 | 5600001 | 5800559 |  | 1 | 12.5 | 0 | 0 |
| 17 | 79600001 | 80914744 | ASPSCR1 | 2 | 25 | 0 | 0 |
| 7 | 6650001 | 7278582 |  | 3 | 37.5 | 0 | 0 |
| 7 | 7278583 | 7421209 |  | 2 | 25 | 0 | 0 |
| 7 | 7421210 | 7550000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 7550001 | 7625238 |  | 3 | 37.5 | 0 | 0 |
| 7 | 7625239 | 7629217 |  | 4 | 50 | 0 | 0 |
| 7 | 7629218 | 7650000 |  | 3 | 37.5 | 0 | 0 |
| 1 | 155100001 | 155250000 | MUC1 | 2 | 25 | 0 | 0 |
| 7 | 18550001 | 18650000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 18650001 | 18700000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 18700001 | 18750000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 18750001 | 18900000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 18900001 | 19700000 |  | 2 | 25 | 0 | 0 |
| 7 | 19700001 | 19800000 |  | 2 | 25 | 0 | 0 |
| 7 | 19800001 | 22300000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 22300001 | 22400000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 22400001 | 22800000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 22800001 | 23016456 |  | 2 | 25 | 0 | 0 |
| 7 | 23016457 | 23250000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 23250001 | 23350000 |  | 2 | 25 | 0 | 0 |
| 7 | 23350001 | 23850000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 23850001 | 23900000 |  | 2 | 25 | 0 | 0 |
| 2 | 70300001 | 70350000 | PCBP1 | 2 | 25 | 0 | 0 |
| 2 | 96873850 | 96943017 | TMEM127 | 2 | 25 | 0 | 0 |
| 3 | 52250001 | 52600000 | BAP1,PBRM1 | 2 | 25 | 0 | 0 |
| 7 | 30100001 | 30450000 |  | 2 | 25 | 0 | 0 |
| 7 | 30450001 | 30700000 |  | 2 | 25 | 0 | 0 |
| 7 | 30700001 | 31150000 |  | 2 | 25 | 0 | 0 |
| 3 | 195450001 | 195500000 | MUC4 | 3 | 37.5 | 0 | 0 |
| 7 | 36850001 | 36900000 |  | 2 | 25 | 0 | 0 |
| 4 | 187500001 | 187550000 | FAT1 | 2 | 25 | 0 | 0 |
| 7 | 38750001 | 38800000 |  | 2 | 25 | 0 | 0 |
| 7 | 38800001 | 39800000 |  | 2 | 25 | 0 | 0 |
| 7 | 39800001 | 40150000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 40150001 | 40250000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 40250001 | 40350000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 40350001 | 41050000 |  | 2 | 25 | 0 | 0 |
| 7 | 41050001 | 41150000 |  | 2 | 25 | 0 | 0 |
| 7 | 41150001 | 43900000 |  | 2 | 25 | 0 | 0 |
| 7 | 43900001 | 44500000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 44500001 | 44900000 |  | 2 | 25 | 0 | 0 |
| 7 | 44900001 | 45000000 |  | 2 | 25 | 0 | 0 |
| 7 | 45000001 | 45150000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 45150001 | 48700000 |  | 2 | 25 | 0 | 0 |
| 7 | 48700001 | 48850000 |  | 2 | 25 | 0 | 0 |
| 7 | 48850001 | 49850000 |  | 2 | 25 | 0 | 0 |
| 7 | 49850001 | 50150000 |  | 2 | 25 | 0 | 0 |
| 5 | 112150001 | 112250000 | APC | 2 | 25 | 0 | 0 |
| 7 | 53650001 | 54100000 |  | 2 | 25 | 0 | 0 |
| 5 | 149400001 | 149500000 | CSF1R,PDGFRB | 2 | 25 | 0 | 0 |
| 7 | 55650001 | 55850000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 55850001 | 56050000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 56050001 | 56150000 |  | 2 | 25 | 0 | 0 |
| 7 | 56150001 | 56200000 |  | 1 | 12.5 | 0 | 0 |
| 5 | 176700001 | 177050000 | NSD1 | 2 | 25 | 0 | 0 |
| 7 | 57500001 | 57600000 |  | 2 | 25 | 0 | 0 |
| 7 | 57600001 | 62000000 |  | 2 | 25 | 0 | 0 |
| 7 | 62000001 | 62050000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 62050001 | 62450000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 62450001 | 63900000 |  | 2 | 25 | 0 | 0 |
| 7 | 63900001 | 64300000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 64300001 | 65500000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 65500001 | 69050000 | SBDS | 1 | 12.5 | 0 | 0 |
| 7 | 69050001 | 70250000 |  | 2 | 25 | 0 | 0 |
| 7 | 70250001 | 71450000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 71450001 | 75600000 | ELN,HIP1 | 1 | 12.5 | 0 | 0 |
| 7 | 75600001 | 75700000 |  | 2 | 25 | 0 | 0 |
| 7 | 75700001 | 75900000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 75900001 | 76000000 |  | 2 | 25 | 0 | 0 |
| 7 | 76000001 | 77400000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 77400001 | 77600000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 77600001 | 78550000 |  | 2 | 25 | 0 | 0 |
| 7 | 78550001 | 78650000 |  | 2 | 25 | 0 | 0 |
| 7 | 78650001 | 82500000 |  | 2 | 25 | 0 | 0 |
| 7 | 82500001 | 82600000 |  | 2 | 25 | 0 | 0 |
| 7 | 82600001 | 82850000 |  | 2 | 25 | 0 | 0 |
| 7 | 82850001 | 84600000 |  | 2 | 25 | 0 | 0 |
| 7 | 84600001 | 84650000 |  | 2 | 25 | 0 | 0 |
| 6 | 350001 | 400000 | IRF4 | 6 | 75 | 0 | 0 |
| 6 | 26550001 | 27150000 | HIST1H4I | 2 | 25 | 0 | 0 |
| 7 | 86900001 | 87759652 |  | 2 | 25 | 0 | 0 |
| 7 | 87759653 | 87762329 |  | 3 | 37.5 | 0 | 0 |
| 7 | 87762330 | 90700000 |  | 2 | 25 | 0 | 0 |
| 7 | 90700001 | 90750000 |  | 2 | 25 | 0 | 0 |
| 6 | 28250001 | 29850000 | TRIM27 | 2 | 25 | 0 | 0 |
| 7 | 94182424 | 94217269 |  | 3 | 37.5 | 0 | 0 |
| 7 | 94217270 | 95000000 |  | 2 | 25 | 0 | 0 |
| 7 | 95000001 | 95250000 |  | 2 | 25 | 0 | 0 |
| 7 | 95250001 | 95750000 |  | 2 | 25 | 0 | 0 |
| 7 | 95750001 | 95850000 |  | 2 | 25 | 0 | 0 |
| 7 | 95850001 | 97500000 |  | 2 | 25 | 0 | 0 |
| 7 | 97500001 | 97650000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 97650001 | 98950000 | TRRAP | 1 | 12.5 | 0 | 0 |
| 7 | 98950001 | 99300000 |  | 2 | 25 | 0 | 0 |
| 7 | 99300001 | 99450000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 99450001 | 100616150 |  | 2 | 25 | 0 | 0 |
| 7 | 100616151 | 100692258 |  | 3 | 37.5 | 0 | 0 |
| 7 | 100692259 | 100850000 |  | 2 | 25 | 0 | 0 |
| 7 | 100850001 | 100900000 |  | 2 | 25 | 0 | 0 |
| 7 | 100900001 | 102450000 | CUX1 | 1 | 12.5 | 0 | 0 |
| 7 | 102450001 | 102800000 |  | 2 | 25 | 0 | 0 |
| 7 | 102800001 | 103050000 |  | 2 | 25 | 0 | 0 |
| 7 | 103050001 | 104450000 |  | 2 | 25 | 0 | 0 |
| 7 | 104450001 | 104900000 |  | 2 | 25 | 0 | 0 |
| 7 | 104900001 | 105250000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 105250001 | 105400000 |  | 2 | 25 | 0 | 0 |
| 7 | 105400001 | 105894851 |  | 2 | 25 | 0 | 0 |
| 7 | 105894852 | 105913188 |  | 3 | 37.5 | 0 | 0 |
| 7 | 105913189 | 108100000 |  | 2 | 25 | 0 | 0 |
| 7 | 108100001 | 108350000 |  | 2 | 25 | 0 | 0 |
| 7 | 108350001 | 108950000 |  | 2 | 25 | 0 | 0 |
| 7 | 108950001 | 109200000 |  | 2 | 25 | 0 | 0 |
| 7 | 109200001 | 109650000 |  | 2 | 25 | 0 | 0 |
| 7 | 109650001 | 109750000 |  | 2 | 25 | 0 | 0 |
| 7 | 109750001 | 109850000 |  | 2 | 25 | 0 | 0 |
| 7 | 109850001 | 109900000 |  | 2 | 25 | 0 | 0 |
| 7 | 109900001 | 110000000 |  | 2 | 25 | 0 | 0 |
| 7 | 110000001 | 110700000 |  | 2 | 25 | 0 | 0 |
| 7 | 110700001 | 110800000 |  | 2 | 25 | 0 | 0 |
| 7 | 110800001 | 111200000 |  | 2 | 25 | 0 | 0 |
| 7 | 111200001 | 111550000 |  | 2 | 25 | 0 | 0 |
| 7 | 111550001 | 111650000 |  | 2 | 25 | 0 | 0 |
| 7 | 111650001 | 114400000 |  | 2 | 25 | 0 | 0 |
| 7 | 114400001 | 114700000 |  | 2 | 25 | 0 | 0 |
| 6 | 29850001 | 30000000 | HLA-A | 3 | 37.5 | 0 | 0 |
| 7 | 117050001 | 117200000 |  | 2 | 25 | 0 | 0 |
| 7 | 117200001 | 117350000 |  | 2 | 25 | 0 | 0 |
| 7 | 117350001 | 117400000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 117400001 | 121300000 |  | 2 | 25 | 0 | 0 |
| 7 | 121300001 | 121400000 |  | 2 | 25 | 0 | 0 |
| 7 | 121400001 | 122850000 |  | 2 | 25 | 0 | 0 |
| 7 | 122850001 | 123550000 |  | 2 | 25 | 0 | 0 |
| 7 | 123550001 | 123700000 |  | 2 | 25 | 0 | 0 |
| 7 | 123700001 | 124150000 |  | 2 | 25 | 0 | 0 |
| 6 | 33250001 | 33300000 | DAXX | 2 | 25 | 0 | 0 |
| 7 | 125700001 | 125750000 |  | 2 | 25 | 0 | 0 |
| 7 | 125750001 | 126250000 |  | 2 | 25 | 0 | 0 |
| 7 | 126250001 | 127100000 |  | 2 | 25 | 0 | 0 |
| 6 | 34200001 | 34250000 | HMGA1 | 2 | 25 | 0 | 0 |
| 6 | 36650001 | 36700000 | CDKN1A | 2 | 25 | 0 | 0 |
| 7 | 128400001 | 128600000 |  | 3 | 37.5 | 0 | 0 |
| 6 | 44200001 | 44250000 | HSP90AB1,NFKBIE | 2 | 25 | 0 | 0 |
| 7 | 129200001 | 129450000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 129450001 | 130100000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 130100001 | 130400000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 130400001 | 131400000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 131400001 | 132500000 |  | 2 | 25 | 0 | 0 |
| 7 | 132500001 | 132900000 |  | 2 | 25 | 0 | 0 |
| 7 | 132900001 | 133950000 |  | 2 | 25 | 0 | 0 |
| 7 | 133950001 | 134000000 |  | 2 | 25 | 0 | 0 |
| 7 | 134000001 | 135000000 |  | 2 | 25 | 0 | 0 |
| 7 | 135000001 | 135550000 |  | 2 | 25 | 0 | 0 |
| 7 | 7650001 | 18550000 | ETV1 | 3 | 37.5 | 0 | 0 |
| 7 | 23900001 | 27150000 | HNRNPA2B1 | 2 | 25 | 0 | 0 |
| 7 | 137700001 | 139200000 | TRIM24,KIAA1549 | 1 | 12.5 | 0 | 0 |
| 7 | 139200001 | 139250000 |  | 2 | 25 | 0 | 0 |
| 7 | 139250001 | 139550000 |  | 2 | 25 | 0 | 0 |
| 7 | 139550001 | 139650000 |  | 2 | 25 | 0 | 0 |
| 7 | 139650001 | 139700000 |  | 2 | 25 | 0 | 0 |
| 7 | 139700001 | 139800000 |  | 2 | 25 | 0 | 0 |
| 7 | 139800001 | 140250000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 140250001 | 140750000 | BRAF | 1 | 12.5 | 0 | 0 |
| 7 | 140750001 | 140800000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 140800001 | 141919721 |  | 2 | 25 | 0 | 0 |
| 7 | 141919722 | 141921080 |  | 3 | 37.5 | 0 | 0 |
| 7 | 27250001 | 30100000 | JAZF1 | 2 | 25 | 0 | 0 |
| 7 | 143554167 | 144200000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 144200001 | 144708122 |  | 3 | 37.5 | 0 | 0 |
| 7 | 144708123 | 145650000 |  | 2 | 25 | 0 | 0 |
| 7 | 145650001 | 145700000 |  | 2 | 25 | 0 | 0 |
| 7 | 31150001 | 36850000 | FKBP9 | 2 | 25 | 0 | 0 |
| 7 | 145950001 | 146050000 | CNTNAP2 | 1 | 12.5 | 0 | 0 |
| 7 | 36900001 | 38750000 | SFRP4 | 2 | 25 | 0 | 0 |
| 7 | 50150001 | 53650000 | IKZF1 | 2 | 25 | 0 | 0 |
| 7 | 56200001 | 57500000 | ZNF479 | 2 | 25 | 0 | 0 |
| 7 | 148500001 | 148900000 | EZH2 | 1 | 12.5 | 0 | 0 |
| 7 | 148900001 | 149150000 |  | 2 | 25 | 0 | 0 |
| 7 | 149150001 | 150250000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 150250001 | 150300000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 150300001 | 150400000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 150400001 | 150950000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 84650001 | 86400000 | GRM3 | 2 | 25 | 0 | 0 |
| 7 | 86400001 | 86900000 | GRM3 | 2 | 25 | 0 | 0 |
| 7 | 124150001 | 125700000 | POT1 | 2 | 25 | 0 | 0 |
| 7 | 127100001 | 127700000 | SND1 | 2 | 25 | 0 | 0 |
| 7 | 152450001 | 152550000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 152550001 | 154050000 |  | 2 | 25 | 0 | 0 |
| 7 | 154050001 | 154100000 |  | 2 | 25 | 0 | 0 |
| 7 | 154100001 | 156450000 |  | 2 | 25 | 0 | 0 |
| 7 | 156450001 | 157200000 | MNX1 | 1 | 12.5 | 0 | 0 |
| 7 | 157200001 | 157850000 |  | 2 | 25 | 0 | 0 |
| 7 | 157850001 | 158850000 |  | 2 | 25 | 0 | 0 |
| 7 | 158850001 | 158909905 |  | 3 | 37.5 | 0 | 0 |
| 7 | 158909906 | 158935255 |  | 3 | 37.5 | 1 | 12.5 |
| 7 | 158935256 | 159100000 |  | 3 | 37.5 | 0 | 0 |
| 7 | 159100001 | 159138663 |  | 2 | 25 | 0 | 0 |
| 8 | 182714 | 183181 |  | 0 | 0 | 1 | 12.5 |
| 8 | 190800 | 196119 |  | 1 | 12.5 | 0 | 0 |
| 8 | 196178 | 1901094 |  | 1 | 12.5 | 0 | 0 |
| 8 | 2007212 | 2200000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 2200001 | 2250000 |  | 7 | 87.5 | 0 | 0 |
| 8 | 2250001 | 2550000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 2550001 | 2650000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 2650001 | 8877980 |  | 1 | 12.5 | 0 | 0 |
| 8 | 9037781 | 9436570 |  | 0 | 0 | 1 | 12.5 |
| 8 | 9437654 | 11700000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 11700001 | 11750000 |  | 2 | 25 | 0 | 0 |
| 8 | 11750001 | 17900000 | PCM1 | 1 | 12.5 | 0 | 0 |
| 8 | 17900001 | 17950000 |  | 2 | 25 | 0 | 0 |
| 8 | 17950001 | 20050000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 20050001 | 20100000 |  | 2 | 25 | 0 | 0 |
| 8 | 20100001 | 21950000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 21950001 | 22000000 |  | 2 | 25 | 0 | 0 |
| 8 | 22000001 | 22450000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 22450001 | 22500000 |  | 2 | 25 | 0 | 0 |
| 8 | 22500001 | 22850000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 22850001 | 22900000 |  | 2 | 25 | 0 | 0 |
| 8 | 22900001 | 24750000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 24750001 | 24850000 |  | 2 | 25 | 0 | 0 |
| 8 | 24850001 | 26250000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 26250001 | 26300000 |  | 2 | 25 | 0 | 0 |
| 8 | 26300001 | 27450000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 27450001 | 27500000 |  | 2 | 25 | 0 | 0 |
| 8 | 27500001 | 28650000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 28650001 | 28900000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 28900001 | 28950000 |  | 2 | 25 | 0 | 0 |
| 8 | 28950001 | 29900000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 29900001 | 29950000 |  | 2 | 25 | 0 | 0 |
| 8 | 29950001 | 30699540 |  | 1 | 12.5 | 0 | 0 |
| 8 | 30699541 | 30705912 |  | 2 | 25 | 0 | 0 |
| 8 | 30705913 | 30915910 | WRN | 1 | 12.5 | 0 | 0 |
| 7 | 127700001 | 128400000 | SND1 | 2 | 25 | 0 | 0 |
| 8 | 31030627 | 32650000 | WRN,NRG1 | 1 | 12.5 | 0 | 0 |
| 8 | 32650001 | 32700000 |  | 1 | 12.5 | 4 | 50 |
| 8 | 32700001 | 37600000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 37600001 | 37650000 |  | 2 | 25 | 0 | 0 |
| 8 | 37650001 | 38700000 | WHSC1L1,FGFR1 | 1 | 12.5 | 0 | 0 |
| 8 | 38700001 | 39000000 |  | 2 | 25 | 0 | 0 |
| 8 | 39000001 | 39250000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 39250001 | 39400000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 39400001 | 41300000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 41300001 | 41400000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 41400001 | 41450000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 41450001 | 41500000 |  | 2 | 25 | 0 | 0 |
| 8 | 41500001 | 41750000 | ANK1 | 1 | 12.5 | 0 | 0 |
| 8 | 41750001 | 41800000 | ANK1,KAT6A | 1 | 12.5 | 0 | 0 |
| 8 | 41800001 | 42700000 | KAT6A,IKBKB | 1 | 12.5 | 0 | 0 |
| 8 | 42700001 | 43150000 | HOOK3 | 1 | 12.5 | 0 | 0 |
| 8 | 43150001 | 43400000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 43400001 | 43700000 |  | 2 | 25 | 0 | 0 |
| 8 | 43700001 | 48150000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 48150001 | 48200000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 48200001 | 48600000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 48600001 | 48700000 |  | 2 | 25 | 0 | 0 |
| 8 | 48700001 | 48800000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 48800001 | 51550000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 51550001 | 51700000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 51700001 | 59450000 | TCEA1,PLAG1,CHCHD7 | 1 | 12.5 | 0 | 0 |
| 8 | 59450001 | 59500000 |  | 2 | 25 | 0 | 0 |
| 8 | 59500001 | 62750000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 62750001 | 64250000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 64250001 | 64450000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 64450001 | 65200000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 65200001 | 67550000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 67550001 | 67750000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 67750001 | 68137135 |  | 1 | 12.5 | 0 | 0 |
| 8 | 68137136 | 68140513 |  | 2 | 25 | 0 | 0 |
| 8 | 68140514 | 74439916 | PREX2,NCOA2 | 1 | 12.5 | 0 | 0 |
| 8 | 74439917 | 74463178 |  | 2 | 25 | 0 | 0 |
| 8 | 74463179 | 75150000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 75150001 | 75500000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 75500001 | 75550000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 75550001 | 75650000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 75650001 | 79600000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 79600001 | 79700000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 79700001 | 85350000 | HEY1 | 1 | 12.5 | 0 | 0 |
| 8 | 85350001 | 85650000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 85650001 | 90955405 | CNBD1,NBN | 1 | 12.5 | 0 | 0 |
| 7 | 128600001 | 129200000 | SMO | 2 | 25 | 0 | 0 |
| 8 | 90995091 | 94900000 | NBN,RUNX1T1 | 1 | 12.5 | 0 | 0 |
| 8 | 94900001 | 94950000 |  | 2 | 25 | 0 | 0 |
| 8 | 94950001 | 101700000 | CDH17,COX6C,PABPC1 | 1 | 12.5 | 0 | 0 |
| 7 | 141921081 | 143554166 | FAM131B | 2 | 25 | 0 | 0 |
| 8 | 101750001 | 101900000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 101900001 | 101950000 |  | 2 | 25 | 0 | 0 |
| 8 | 101950001 | 104050000 | UBR5 | 1 | 12.5 | 0 | 0 |
| 8 | 104050001 | 104100000 |  | 2 | 25 | 0 | 0 |
| 8 | 104100001 | 109000000 | RSPO2 | 1 | 12.5 | 0 | 0 |
| 8 | 109000001 | 109400000 | RSPO2,EIF3E | 1 | 12.5 | 0 | 0 |
| 8 | 109400001 | 110700000 | EIF3E | 1 | 12.5 | 0 | 0 |
| 8 | 110700001 | 110900000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 110900001 | 121350000 | CSMD3,RAD21,EXT1 | 1 | 12.5 | 0 | 0 |
| 8 | 121350001 | 121500000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 121500001 | 123050000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 123050001 | 123200000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 123200001 | 127550000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 127550001 | 127600000 |  | 2 | 25 | 0 | 0 |
| 8 | 127600001 | 129500000 | MYC | 1 | 12.5 | 0 | 0 |
| 8 | 129500001 | 129600000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 129600001 | 130500000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 130500001 | 130700000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 130700001 | 134200000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 145700001 | 145950000 | CNTNAP2 | 2 | 25 | 0 | 0 |
| 8 | 134300001 | 134450000 | NDRG1 | 1 | 12.5 | 0 | 0 |
| 8 | 134450001 | 134500000 |  | 2 | 25 | 0 | 0 |
| 8 | 134500001 | 135650000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 135650001 | 135750000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 135750001 | 142238373 | FAM135B | 1 | 12.5 | 0 | 0 |
| 8 | 142266554 | 143550000 |  | 0 | 0 | 1 | 12.5 |
| 8 | 143550001 | 143600000 |  | 0 | 0 | 2 | 25 |
| 8 | 143600001 | 144650000 |  | 0 | 0 | 1 | 12.5 |
| 8 | 144650001 | 144700000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 144700001 | 144750000 |  | 1 | 12.5 | 2 | 25 |
| 8 | 144750001 | 144850000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 144850001 | 145000000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 145000001 | 145050000 |  | 1 | 12.5 | 2 | 25 |
| 8 | 145050001 | 145150000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 145150001 | 145293716 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 145293717 | 145293724 |  | 1 | 12.5 | 0 | 0 |
| 8 | 145293725 | 145500000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 145500001 | 145650000 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 145650001 | 145654735 |  | 1 | 12.5 | 1 | 12.5 |
| 8 | 145654736 | 145750000 | RECQL4 | 1 | 12.5 | 0 | 0 |
| 8 | 145750001 | 145800000 |  | 0 | 0 | 0 | 0 |
| 8 | 146000001 | 146050000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 146050001 | 146300000 |  | 1 | 12.5 | 0 | 0 |
| 8 | 146300001 | 146364022 |  | 1 | 12.5 | 0 | 0 |
| 9 | 3450001 | 3500000 |  | 0 | 0 | 0 | 0 |
| 9 | 5800001 | 5850000 |  | 0 | 0 | 0 | 0 |
| 9 | 6300001 | 6400000 |  | 0 | 0 | 0 | 0 |
| 9 | 7250001 | 7350000 |  | 0 | 0 | 0 | 0 |
| 9 | 8600001 | 8700000 |  | 0 | 0 | 0 | 0 |
| 9 | 16450001 | 16600000 |  | 0 | 0 | 0 | 0 |
| 9 | 19100001 | 19150000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 21850001 | 21950000 |  | 0 | 0 | 0 | 0 |
| 9 | 30550001 | 30700000 |  | 0 | 0 | 0 | 0 |
| 9 | 32450001 | 32550000 |  | 0 | 0 | 0 | 0 |
| 9 | 33800001 | 34350000 |  | 0 | 0 | 1 | 12.5 |
| 9 | 35050001 | 35100000 | FANCG | 1 | 12.5 | 0 | 0 |
| 9 | 35650001 | 35850000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 36200001 | 36700000 |  | 0 | 0 | 1 | 12.5 |
| 9 | 37450001 | 37600000 |  | 0 | 0 | 0 | 0 |
| 9 | 38350001 | 38400000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 72650001 | 72900000 |  | 0 | 0 | 0 | 0 |
| 9 | 74850001 | 74900000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 75500001 | 75550000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 77632161 | 77684981 |  | 1 | 12.5 | 0 | 0 |
| 9 | 79200001 | 79350000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 79600001 | 79900000 |  | 0 | 0 | 0 | 0 |
| 9 | 79900001 | 79931090 |  | 0 | 0 | 0 | 0 |
| 9 | 79931091 | 79936701 |  | 1 | 12.5 | 0 | 0 |
| 9 | 79936702 | 80050000 |  | 0 | 0 | 0 | 0 |
| 9 | 80400001 | 80550000 | GNAQ | 0 | 0 | 0 | 0 |
| 9 | 82700001 | 83100000 |  | 0 | 0 | 0 | 0 |
| 9 | 83150001 | 83450000 |  | 0 | 0 | 0 | 0 |
| 9 | 84530274 | 84676155 |  | 1 | 12.5 | 0 | 0 |
| 9 | 85650001 | 85750000 |  | 0 | 0 | 0 | 0 |
| 9 | 86591934 | 86617308 |  | 1 | 12.5 | 0 | 0 |
| 9 | 86950001 | 87200000 |  | 0 | 0 | 0 | 0 |
| 9 | 87900001 | 88050000 |  | 0 | 0 | 0 | 0 |
| 9 | 88200001 | 88350000 |  | 0 | 0 | 0 | 0 |
| 9 | 90300001 | 90350000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 91100001 | 91150000 |  | 0 | 0 | 0 | 0 |
| 9 | 95000001 | 95250000 | OMD | 0 | 0 | 0 | 0 |
| 9 | 95250001 | 95300000 |  | 0 | 0 | 0 | 0 |
| 9 | 95300001 | 95500000 |  | 0 | 0 | 0 | 0 |
| 9 | 97500001 | 97800000 |  | 0 | 0 | 0 | 0 |
| 9 | 98600001 | 98800000 |  | 0 | 0 | 0 | 0 |
| 9 | 100600001 | 100650000 |  | 0 | 0 | 0 | 0 |
| 9 | 102150001 | 102300000 |  | 0 | 0 | 0 | 0 |
| 9 | 103000001 | 103150000 |  | 0 | 0 | 0 | 0 |
| 9 | 103250001 | 103450000 |  | 0 | 0 | 0 | 0 |
| 9 | 108450001 | 108600000 |  | 0 | 0 | 0 | 0 |
| 9 | 109300001 | 109350000 |  | 0 | 0 | 0 | 0 |
| 9 | 109350001 | 109400000 |  | 0 | 0 | 0 | 0 |
| 9 | 111650001 | 111950000 |  | 0 | 0 | 0 | 0 |
| 9 | 113139509 | 114206784 |  | 1 | 12.5 | 0 | 0 |
| 9 | 114489911 | 114510489 |  | 1 | 12.5 | 0 | 0 |
| 9 | 115805719 | 115806538 |  | 1 | 12.5 | 0 | 0 |
| 9 | 116550001 | 116600000 |  | 0 | 0 | 0 | 0 |
| 9 | 118300001 | 118500000 |  | 0 | 0 | 0 | 0 |
| 9 | 121150001 | 121350000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 121350001 | 123000000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 123000001 | 123100000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 123100001 | 123250000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 123250001 | 123300000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 123300001 | 123400000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 123400001 | 123450000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 123450001 | 125700000 | CNTRL | 1 | 12.5 | 0 | 0 |
| 9 | 125700001 | 125800000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 125800001 | 127100000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 127100001 | 127150000 |  | 2 | 25 | 0 | 0 |
| 9 | 127150001 | 127650000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 127650001 | 127700000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 127700001 | 128100000 | PPP6C | 1 | 12.5 | 1 | 12.5 |
| 9 | 128100001 | 130200000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 130200001 | 130550000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 146050001 | 147100000 | CNTNAP2 | 2 | 25 | 0 | 0 |
| 9 | 131850001 | 131950000 |  | 2 | 25 | 0 | 0 |
| 9 | 131950001 | 132200000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 132200001 | 132400000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 132400001 | 132985321 | FNBP1 | 1 | 12.5 | 0 | 0 |
| 9 | 132985322 | 133375054 |  | 1 | 12.5 | 1 | 12.5 |
| 9 | 133375055 | 133950000 | ABL1 | 1 | 12.5 | 0 | 0 |
| 9 | 133950001 | 134000000 |  | 2 | 25 | 0 | 0 |
| 9 | 134000001 | 134350000 | NUP214 | 1 | 12.5 | 0 | 0 |
| 9 | 134350001 | 134500000 |  | 2 | 25 | 0 | 0 |
| 9 | 134500001 | 134650000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 134650001 | 135850000 | TSC1 | 1 | 12.5 | 0 | 0 |
| 9 | 135850001 | 135900000 |  | 2 | 25 | 0 | 0 |
| 9 | 135900001 | 136200000 | RALGDS | 1 | 12.5 | 0 | 0 |
| 9 | 136200001 | 136250000 |  | 2 | 25 | 0 | 0 |
| 9 | 136250001 | 136400000 |  | 1 | 12.5 | 0 | 0 |
| 9 | 136400001 | 136450000 |  | 1 | 12.5 | 2 | 25 |
| 9 | 136450001 | 137250000 | BRD3 | 1 | 12.5 | 0 | 0 |
| 9 | 137250001 | 137350000 |  | 1 | 12.5 | 1 | 12.5 |
| 9 | 137350001 | 138455973 |  | 1 | 12.5 | 0 | 0 |
| 9 | 138455974 | 139300000 |  | 1 | 12.5 | 1 | 12.5 |
| 7 | 147100001 | 147350000 | CNTNAP2 | 2 | 25 | 0 | 0 |
| 9 | 139400001 | 139400984 | NOTCH1 | 1 | 12.5 | 2 | 25 |
| 9 | 139400985 | 139418478 | NOTCH1 | 2 | 25 | 2 | 25 |
| 9 | 139418479 | 139450000 | NOTCH1 | 1 | 12.5 | 2 | 25 |
| 9 | 139450001 | 139650000 |  | 1 | 12.5 | 1 | 12.5 |
| 9 | 139650001 | 139900000 |  | 2 | 25 | 1 | 12.5 |
| 9 | 139900001 | 139950000 |  | 2 | 25 | 2 | 25 |
| 9 | 139950001 | 139996366 |  | 2 | 25 | 1 | 12.5 |
| 9 | 139996367 | 139997796 |  | 3 | 37.5 | 1 | 12.5 |
| 9 | 139997797 | 140050000 |  | 2 | 25 | 1 | 12.5 |
| 9 | 140050001 | 140150000 |  | 2 | 25 | 2 | 25 |
| 9 | 140150001 | 140200000 |  | 2 | 25 | 1 | 12.5 |
| 9 | 140200001 | 140441481 |  | 1 | 12.5 | 1 | 12.5 |
| 9 | 140441482 | 140441690 |  | 1 | 12.5 | 0 | 0 |
| 9 | 140441691 | 140600000 |  | 2 | 25 | 0 | 0 |
| 9 | 140600001 | 141000000 |  | 2 | 25 | 0 | 0 |
| 9 | 141000001 | 141069961 |  | 2 | 25 | 0 | 0 |
| 9 | 141069962 | 141213431 |  | 1 | 12.5 | 0 | 0 |
| 10 | 95123 | 150000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 150001 | 298391 |  | 1 | 12.5 | 0 | 0 |
| 10 | 298392 | 3150000 | LARP4B | 0 | 0 | 0 | 0 |
| 10 | 3150001 | 3200000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 3200001 | 3800000 |  | 0 | 0 | 0 | 0 |
| 10 | 3800001 | 3850000 | KLF6 | 1 | 12.5 | 0 | 0 |
| 10 | 6250001 | 6300000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 14550001 | 14600000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 14600001 | 17196620 |  | 0 | 0 | 0 | 0 |
| 10 | 17196621 | 17201334 |  | 1 | 12.5 | 0 | 0 |
| 10 | 17201335 | 17250000 |  | 0 | 0 | 0 | 0 |
| 10 | 17250001 | 17300000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 17300001 | 18800000 |  | 0 | 0 | 0 | 0 |
| 10 | 18800001 | 18900000 |  | 0 | 0 | 0 | 0 |
| 10 | 18900001 | 18950000 |  | 0 | 0 | 0 | 0 |
| 10 | 18950001 | 20550000 |  | 0 | 0 | 0 | 0 |
| 10 | 20550001 | 20600000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 20600001 | 21350000 |  | 0 | 0 | 0 | 0 |
| 10 | 21350001 | 21450000 |  | 0 | 0 | 0 | 0 |
| 10 | 27311509 | 27340316 |  | 1 | 12.5 | 0 | 0 |
| 10 | 28050001 | 28100000 |  | 0 | 0 | 0 | 0 |
| 10 | 28100001 | 28650000 |  | 0 | 0 | 0 | 0 |
| 10 | 28650001 | 28700000 |  | 0 | 0 | 0 | 0 |
| 10 | 28700001 | 32097950 | ZEB1 | 0 | 0 | 0 | 0 |
| 10 | 32097951 | 32120830 |  | 1 | 12.5 | 0 | 0 |
| 10 | 32120831 | 33100000 | KIF5B | 0 | 0 | 0 | 0 |
| 10 | 33100001 | 33150000 |  | 0 | 0 | 0 | 0 |
| 10 | 33150001 | 33250000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 33250001 | 33450000 |  | 0 | 0 | 0 | 0 |
| 10 | 33450001 | 33500000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 33500001 | 39100000 |  | 0 | 0 | 0 | 0 |
| 10 | 39100001 | 39150000 |  | 3 | 37.5 | 0 | 0 |
| 10 | 39150001 | 42400000 |  | 0 | 0 | 0 | 0 |
| 10 | 42400001 | 42500000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 42500001 | 43850000 | RET | 0 | 0 | 0 | 0 |
| 10 | 43850001 | 43900000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 44850001 | 44900000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 44900001 | 45450000 |  | 0 | 0 | 0 | 0 |
| 10 | 45450001 | 45500000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 45500001 | 46150000 |  | 0 | 0 | 0 | 0 |
| 10 | 47000001 | 47150000 |  | 6 | 75 | 0 | 0 |
| 10 | 50450001 | 50850000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 50900001 | 51000000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 51550001 | 51600000 | NCOA4 | 1 | 12.5 | 0 | 0 |
| 10 | 52000001 | 52050000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 52200001 | 52300000 |  | 0 | 0 | 0 | 0 |
| 10 | 52300001 | 58400000 | A1CF | 0 | 0 | 0 | 0 |
| 10 | 58400001 | 58450000 |  | 0 | 0 | 0 | 0 |
| 10 | 58450001 | 58800000 |  | 0 | 0 | 0 | 0 |
| 10 | 58800001 | 59100000 |  | 0 | 0 | 0 | 0 |
| 10 | 59100001 | 59150000 |  | 0 | 0 | 0 | 0 |
| 10 | 59150001 | 59300000 |  | 0 | 0 | 0 | 0 |
| 10 | 59300001 | 61050000 |  | 0 | 0 | 0 | 0 |
| 10 | 61050001 | 61150000 |  | 0 | 0 | 0 | 0 |
| 10 | 61150001 | 62600000 | CCDC6 | 0 | 0 | 0 | 0 |
| 10 | 62600001 | 62650000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 62650001 | 63050000 |  | 0 | 0 | 0 | 0 |
| 10 | 63050001 | 63400000 |  | 0 | 0 | 0 | 0 |
| 10 | 63400001 | 69550000 |  | 0 | 0 | 0 | 0 |
| 10 | 69550001 | 70000000 |  | 0 | 0 | 1 | 12.5 |
| 10 | 70000001 | 70050000 |  | 1 | 12.5 | 1 | 12.5 |
| 10 | 70050001 | 70700000 | TET1 | 0 | 0 | 1 | 12.5 |
| 10 | 70700001 | 71000000 |  | 1 | 12.5 | 1 | 12.5 |
| 10 | 71000001 | 71050000 |  | 1 | 12.5 | 1 | 12.5 |
| 10 | 71250001 | 71300000 |  | 0 | 0 | 1 | 12.5 |
| 10 | 72150001 | 72200000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 72600001 | 72650000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 73550001 | 73600000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 73900001 | 73950000 |  | 0 | 0 | 1 | 12.5 |
| 10 | 73950001 | 74150000 |  | 1 | 12.5 | 1 | 12.5 |
| 10 | 74150001 | 74683924 |  | 0 | 0 | 1 | 12.5 |
| 10 | 74683925 | 74750000 |  | 0 | 0 | 1 | 12.5 |
| 10 | 74750001 | 75000000 |  | 0 | 0 | 1 | 12.5 |
| 10 | 75000001 | 75150000 |  | 1 | 12.5 | 1 | 12.5 |
| 10 | 75150001 | 75250000 |  | 0 | 0 | 1 | 12.5 |
| 10 | 75250001 | 75400000 |  | 0 | 0 | 0 | 0 |
| 10 | 75400001 | 75500000 |  | 0 | 0 | 0 | 0 |
| 10 | 75500001 | 75600000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 75600001 | 78704758 | KAT6B | 0 | 0 | 0 | 0 |
| 10 | 78704759 | 81050000 |  | 0 | 0 | 0 | 0 |
| 10 | 81050001 | 81150000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 81900001 | 81950000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 82050001 | 82250000 |  | 0 | 0 | 0 | 0 |
| 10 | 82250001 | 82300000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 82300001 | 84744881 |  | 0 | 0 | 0 | 0 |
| 10 | 84744882 | 85900000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 85900001 | 85901403 |  | 2 | 25 | 0 | 0 |
| 10 | 85901404 | 85950000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 85950001 | 87350000 |  | 0 | 0 | 0 | 0 |
| 10 | 87350001 | 87700000 |  | 0 | 0 | 0 | 0 |
| 10 | 87700001 | 87900000 |  | 0 | 0 | 0 | 0 |
| 10 | 87900001 | 88400000 |  | 0 | 0 | 0 | 0 |
| 10 | 88400001 | 88450000 |  | 0 | 0 | 0 | 0 |
| 10 | 88450001 | 88600000 | BMPR1A | 0 | 0 | 0 | 0 |
| 10 | 88600001 | 88700000 | BMPR1A | 0 | 0 | 0 | 0 |
| 10 | 88700001 | 88850000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 89300001 | 90950000 | PTEN,FAS | 0 | 0 | 0 | 0 |
| 10 | 90950001 | 91000000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 91000001 | 91150000 |  | 0 | 0 | 0 | 0 |
| 10 | 91150001 | 91200000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 91200001 | 92450000 |  | 0 | 0 | 0 | 0 |
| 10 | 92450001 | 92550000 |  | 0 | 0 | 0 | 0 |
| 10 | 92550001 | 93450000 |  | 0 | 0 | 0 | 0 |
| 10 | 93450001 | 93650000 |  | 0 | 0 | 0 | 0 |
| 10 | 93650001 | 94550000 |  | 0 | 0 | 0 | 0 |
| 10 | 94550001 | 94650000 |  | 0 | 0 | 0 | 0 |
| 10 | 94650001 | 97850000 | CYP2C8 | 0 | 0 | 0 | 0 |
| 10 | 97850001 | 97900000 |  | 0 | 0 | 0 | 0 |
| 10 | 98250001 | 98300000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 98500001 | 98550000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 99100001 | 99150000 |  | 0 | 0 | 0 | 0 |
| 10 | 99150001 | 99200000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 99200001 | 99350000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 99350001 | 99450000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 99450001 | 101150000 |  | 0 | 0 | 0 | 0 |
| 10 | 101150001 | 101200000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 101200001 | 102100000 |  | 0 | 0 | 0 | 0 |
| 10 | 102100001 | 102150000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 102150001 | 102700000 |  | 0 | 0 | 0 | 0 |
| 10 | 102700001 | 102800000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 103500001 | 103600000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 103600001 | 103850000 |  | 0 | 0 | 0 | 0 |
| 10 | 103850001 | 103950000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 103950001 | 104150000 |  | 0 | 0 | 0 | 0 |
| 10 | 104150001 | 104250000 | NFKB2 | 1 | 12.5 | 0 | 0 |
| 10 | 104250001 | 104400000 | SUFU | 0 | 0 | 0 | 0 |
| 10 | 104400001 | 104450000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 104550001 | 104600000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 104600001 | 104865022 | NT5C2 | 0 | 0 | 0 | 0 |
| 10 | 104865023 | 104866565 | NT5C2 | 1 | 12.5 | 0 | 0 |
| 10 | 104866566 | 106650000 | NT5C2 | 0 | 0 | 0 | 0 |
| 10 | 106650001 | 106750000 |  | 0 | 0 | 0 | 0 |
| 10 | 106750001 | 108750000 |  | 0 | 0 | 0 | 0 |
| 10 | 108750001 | 108850000 |  | 0 | 0 | 0 | 0 |
| 10 | 108850001 | 109750000 |  | 0 | 0 | 0 | 0 |
| 10 | 110250001 | 116150000 | VTI1A,TCF7L2 | 0 | 0 | 0 | 0 |
| 10 | 116150001 | 116200000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 116200001 | 117350000 |  | 0 | 0 | 0 | 0 |
| 10 | 117350001 | 117500000 |  | 0 | 0 | 0 | 0 |
| 10 | 117500001 | 119000000 | KIAA1598 | 0 | 0 | 0 | 0 |
| 10 | 119000001 | 119050000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 119200001 | 119350000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 119350001 | 120750000 |  | 0 | 0 | 0 | 0 |
| 10 | 120750001 | 120900000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 120900001 | 120950000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 126300001 | 126350000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 128788689 | 129914833 |  | 1 | 12.5 | 0 | 0 |
| 10 | 129917471 | 131265666 |  | 0 | 0 | 1 | 12.5 |
| 10 | 133750001 | 133800000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 135150001 | 135200000 |  | 1 | 12.5 | 0 | 0 |
| 10 | 135250001 | 135350000 |  | 0 | 0 | 0 | 0 |
| 11 | 1 | 193051 |  | 1 | 12.5 | 0 | 0 |
| 11 | 193052 | 200000 |  | 1 | 12.5 | 1 | 12.5 |
| 11 | 200001 | 250000 |  | 1 | 12.5 | 1 | 12.5 |
| 11 | 250001 | 700000 | HRAS | 1 | 12.5 | 1 | 12.5 |
| 11 | 700001 | 800000 |  | 1 | 12.5 | 1 | 12.5 |
| 11 | 800001 | 850000 |  | 1 | 12.5 | 2 | 25 |
| 11 | 850001 | 900000 |  | 0 | 0 | 2 | 25 |
| 11 | 900001 | 1250614 |  | 0 | 0 | 1 | 12.5 |
| 11 | 1250929 | 1252312 |  | 0 | 0 | 1 | 12.5 |
| 11 | 1450001 | 1500000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 1750001 | 1800000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 1850001 | 1900000 |  | 0 | 0 | 2 | 25 |
| 11 | 1900001 | 2050000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 2150001 | 2200000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 2350001 | 2400000 |  | 0 | 0 | 0 | 0 |
| 11 | 2400001 | 2450000 |  | 0 | 0 | 1 | 12.5 |
| 7 | 147350001 | 148500000 | CNTNAP2 | 2 | 25 | 0 | 0 |
| 11 | 4185479 | 5850000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 5850001 | 5900000 |  | 1 | 12.5 | 1 | 12.5 |
| 11 | 5900001 | 5950000 |  | 2 | 25 | 1 | 12.5 |
| 11 | 5950001 | 6231223 |  | 0 | 0 | 1 | 12.5 |
| 11 | 6600001 | 6650000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 7800001 | 7850000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 9200001 | 9350000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 9350001 | 9550000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 9550001 | 9597786 |  | 0 | 0 | 0 | 0 |
| 11 | 9597787 | 9599475 |  | 1 | 12.5 | 0 | 0 |
| 11 | 9599476 | 9600000 |  | 0 | 0 | 0 | 0 |
| 11 | 10650001 | 10750000 |  | 0 | 0 | 0 | 0 |
| 11 | 10800001 | 10850000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 11850001 | 11950000 |  | 0 | 0 | 0 | 0 |
| 11 | 17050001 | 17400000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 18050001 | 18200000 |  | 0 | 0 | 0 | 0 |
| 11 | 24350001 | 24550000 |  | 0 | 0 | 0 | 0 |
| 11 | 25050001 | 25100000 |  | 0 | 0 | 0 | 0 |
| 11 | 33700001 | 33750000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 34750001 | 35050000 |  | 0 | 0 | 0 | 0 |
| 11 | 40850001 | 40950000 |  | 0 | 0 | 0 | 0 |
| 11 | 42500001 | 42850000 |  | 0 | 0 | 0 | 0 |
| 11 | 43350001 | 43650000 |  | 0 | 0 | 0 | 0 |
| 11 | 43650001 | 43750000 |  | 0 | 0 | 0 | 0 |
| 11 | 43750001 | 43850000 |  | 0 | 0 | 0 | 0 |
| 11 | 45450001 | 45500000 |  | 0 | 0 | 0 | 0 |
| 11 | 47150001 | 47550000 | DDB2 | 1 | 12.5 | 0 | 0 |
| 11 | 47550001 | 47650000 |  | 1 | 12.5 | 1 | 12.5 |
| 11 | 47650001 | 48000000 |  | 0 | 0 | 1 | 12.5 |
| 11 | 48000001 | 50250000 |  | 0 | 0 | 0 | 0 |
| 11 | 50350001 | 54950000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 54950001 | 55000000 |  | 1 | 12.5 | 2 | 25 |
| 11 | 55350001 | 55450000 |  | 0 | 0 | 2 | 25 |
| 11 | 57250001 | 57650000 | CLP1,CTNND1 | 0 | 0 | 0 | 0 |
| 11 | 61300001 | 61700000 | FEN1 | 0 | 0 | 0 | 0 |
| 11 | 61700001 | 61750000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 62250001 | 62287532 |  | 1 | 12.5 | 0 | 0 |
| 11 | 62287533 | 62299562 |  | 2 | 25 | 0 | 0 |
| 11 | 62299563 | 62800000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 63150001 | 63200000 |  | 2 | 25 | 0 | 0 |
| 11 | 63950001 | 64100000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 64300001 | 64400000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 64400001 | 65150000 | MEN1 | 1 | 12.5 | 0 | 0 |
| 11 | 65150001 | 65450000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 65450001 | 66650000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 67000001 | 67850000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 74500001 | 74800000 |  | 0 | 0 | 0 | 0 |
| 11 | 76500001 | 76550000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 84950001 | 85100000 |  | 0 | 0 | 0 | 0 |
| 11 | 90750001 | 90900000 |  | 0 | 0 | 0 | 0 |
| 11 | 93458792 | 93483633 |  | 1 | 12.5 | 0 | 0 |
| 11 | 93500001 | 93550000 |  | 0 | 0 | 0 | 0 |
| 11 | 94915191 | 94964054 |  | 1 | 12.5 | 0 | 0 |
| 11 | 96050001 | 96150000 | MAML2 | 0 | 0 | 0 | 0 |
| 11 | 96600001 | 96700000 |  | 0 | 0 | 0 | 0 |
| 11 | 103325903 | 103339457 |  | 1 | 12.5 | 0 | 0 |
| 11 | 108079123 | 108188292 | ATM | 1 | 12.5 | 0 | 0 |
| 11 | 110300001 | 110650000 |  | 0 | 0 | 0 | 0 |
| 11 | 111750001 | 111800000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 117650001 | 117700000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 117700001 | 118850000 | KMT2A,DDX6,BCL9L,FOXR1 | 1 | 12.5 | 0 | 0 |
| 11 | 118850001 | 119250000 | FOXR1,CBL | 1 | 12.5 | 0 | 0 |
| 11 | 122900001 | 122950000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 126150001 | 126200000 |  | 0 | 0 | 0 | 0 |
| 11 | 130000001 | 130100000 |  | 1 | 12.5 | 0 | 0 |
| 11 | 131781462 | 132305151 |  | 0 | 0 | 1 | 12.5 |
| 11 | 134228832 | 134257608 |  | 1 | 12.5 | 0 | 0 |
| 12 | 1150001 | 1350000 | ERC1 | 0 | 0 | 0 | 0 |
| 12 | 1900001 | 4150000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 4150001 | 4250000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 4250001 | 6500000 | CCND2 | 1 | 12.5 | 0 | 0 |
| 12 | 6500001 | 6600000 |  | 1 | 12.5 | 0 | 0 |
| 7 | 150950001 | 151850000 | KMT2C | 2 | 25 | 0 | 0 |
| 12 | 7300001 | 7800000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 7800001 | 8150000 |  | 0 | 0 | 0 | 0 |
| 12 | 8150001 | 8300000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 8300001 | 8750000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 8750001 | 8800000 |  | 2 | 25 | 0 | 0 |
| 12 | 8800001 | 10500000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 10500001 | 10750000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 10750001 | 11200000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 11200001 | 11250000 |  | 1 | 12.5 | 1 | 12.5 |
| 12 | 11250001 | 12750000 | ETV6 | 1 | 12.5 | 0 | 0 |
| 12 | 12750001 | 12850000 |  | 2 | 25 | 0 | 0 |
| 12 | 12850001 | 16800000 | CDKN1B | 1 | 12.5 | 0 | 0 |
| 12 | 16800001 | 16900000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 16900001 | 17850000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 17850001 | 18200000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 18200001 | 20000000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 20000001 | 20050000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 20050001 | 21600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 21600001 | 21700000 |  | 2 | 25 | 0 | 0 |
| 12 | 21700001 | 22000000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 22000001 | 22100000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 22100001 | 22500000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 22500001 | 22550000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 22550001 | 24050000 | ETNK1 | 1 | 12.5 | 0 | 0 |
| 12 | 24050001 | 24150000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 24150001 | 26200000 | KRAS | 1 | 12.5 | 0 | 0 |
| 12 | 26200001 | 26250000 |  | 2 | 25 | 0 | 0 |
| 12 | 26250001 | 27650000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 27650001 | 27750000 | PPFIBP1 | 1 | 12.5 | 0 | 0 |
| 12 | 27750001 | 29200000 | PPFIBP1 | 1 | 12.5 | 0 | 0 |
| 12 | 29200001 | 29300000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 29300001 | 29542414 |  | 1 | 12.5 | 0 | 0 |
| 12 | 29542415 | 29592361 |  | 1 | 12.5 | 1 | 12.5 |
| 12 | 29592362 | 29593510 |  | 1 | 12.5 | 0 | 0 |
| 12 | 29593511 | 29900000 |  | 2 | 25 | 0 | 0 |
| 12 | 29900001 | 30000000 |  | 2 | 25 | 0 | 0 |
| 12 | 30000001 | 30200000 |  | 2 | 25 | 0 | 0 |
| 12 | 30200001 | 31400000 |  | 2 | 25 | 0 | 0 |
| 12 | 31400001 | 33150000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 33150001 | 33350000 |  | 2 | 25 | 0 | 0 |
| 12 | 33350001 | 33400000 |  | 2 | 25 | 1 | 12.5 |
| 12 | 33400001 | 38100000 |  | 2 | 25 | 0 | 0 |
| 12 | 38100001 | 38150000 |  | 3 | 37.5 | 0 | 0 |
| 12 | 38150001 | 38450000 |  | 3 | 37.5 | 0 | 0 |
| 12 | 38450001 | 39087682 |  | 2 | 25 | 0 | 0 |
| 12 | 39087683 | 40300000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 40300001 | 41300000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 41300001 | 41600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 41600001 | 42350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 42350001 | 42700000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 42700001 | 43600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 43600001 | 44550000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 44550001 | 44600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 44600001 | 46325273 | ARID2 | 1 | 12.5 | 0 | 0 |
| 12 | 46325274 | 46355695 |  | 2 | 25 | 0 | 0 |
| 12 | 46355696 | 46850000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 46850001 | 46900000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 46900001 | 49300000 | COL2A1 | 1 | 12.5 | 0 | 0 |
| 7 | 151850001 | 151900000 | KMT2C | 3 | 37.5 | 0 | 0 |
| 12 | 49750001 | 50150000 | PRPF40B | 1 | 12.5 | 0 | 0 |
| 12 | 50150001 | 50200000 |  | 2 | 25 | 0 | 0 |
| 12 | 50200001 | 50500000 | SMARCD1 | 1 | 12.5 | 0 | 0 |
| 12 | 51750001 | 53250000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 53250001 | 54600000 | HOXC13,HOXC11 | 1 | 12.5 | 0 | 0 |
| 12 | 54600001 | 54750000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 54750001 | 54950000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 54950001 | 56500000 | ERBB3 | 1 | 12.5 | 0 | 0 |
| 12 | 56500001 | 56700000 |  | 2 | 25 | 0 | 0 |
| 12 | 56700001 | 57900000 | NACA,NAB2,STAT6,GLI1 | 1 | 12.5 | 0 | 0 |
| 7 | 151900001 | 152000000 | KMT2C | 2 | 25 | 0 | 0 |
| 12 | 58250001 | 58350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 58350001 | 58450000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 58450001 | 61550000 | LRIG3 | 1 | 12.5 | 0 | 0 |
| 12 | 61550001 | 61600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 61600001 | 62742999 |  | 1 | 12.5 | 0 | 0 |
| 12 | 62743000 | 62778043 |  | 2 | 25 | 0 | 0 |
| 12 | 62778044 | 64650000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 64650001 | 65000000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 65000001 | 72050000 | WIF1,HMGA2,MDM2,PTPRB | 1 | 12.5 | 0 | 0 |
| 12 | 72050001 | 72150000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 72150001 | 73800000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 73800001 | 74100000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 74100001 | 75950000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 75950001 | 76000000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 76000001 | 78050000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 78050001 | 78100000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 78100001 | 78250000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 78250001 | 78350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 78350001 | 81500000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 81500001 | 81850000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 81850001 | 83150000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 83150001 | 83500000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 83500001 | 84250000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 84250001 | 84800000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 84800001 | 85300000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 85300001 | 85400000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 85400001 | 88486432 |  | 1 | 12.5 | 0 | 0 |
| 12 | 88486433 | 88524322 |  | 2 | 25 | 0 | 0 |
| 12 | 88524323 | 88600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 88600001 | 89150000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 89150001 | 89850000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 89850001 | 90250000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 90250001 | 91650000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 91650001 | 91700000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 91700001 | 92950000 | BTG1 | 1 | 12.5 | 0 | 0 |
| 12 | 92950001 | 93000000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 93000001 | 93300000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 93300001 | 95350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 95350001 | 95600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 95600001 | 97100000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 97100001 | 97350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 97350001 | 100250000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 100400001 | 100450000 |  | 0 | 0 | 0 | 0 |
| 12 | 100500001 | 100650000 |  | 0 | 0 | 0 | 0 |
| 12 | 100650001 | 103200000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 103200001 | 103700000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 103700001 | 104350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 104350001 | 104750000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 104750001 | 107150000 | CHST11 | 1 | 12.5 | 0 | 0 |
| 12 | 107150001 | 107600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 107600001 | 108950000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 108950001 | 109050000 |  | 2 | 25 | 0 | 0 |
| 12 | 109050001 | 110400000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 112000001 | 112450000 | ALDH2 | 0 | 0 | 0 | 0 |
| 12 | 112550001 | 113050000 | PTPN11 | 0 | 0 | 0 | 0 |
| 12 | 113050001 | 113100000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 113100001 | 115350000 | TBX3 | 1 | 12.5 | 0 | 0 |
| 12 | 115350001 | 115400000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 115400001 | 119650000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 119650001 | 120250000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 120850001 | 120950000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 120950001 | 121000000 |  | 0 | 0 | 0 | 0 |
| 12 | 121000001 | 121100000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 121100001 | 121200000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 121700001 | 121900000 |  | 0 | 0 | 0 | 0 |
| 12 | 122350001 | 122400000 |  | 0 | 0 | 0 | 0 |
| 12 | 124252034 | 124350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 124350001 | 124428937 |  | 2 | 25 | 0 | 0 |
| 12 | 124428938 | 124810779 | NCOR2 | 1 | 12.5 | 0 | 0 |
| 12 | 124810780 | 124950000 | NCOR2 | 1 | 12.5 | 1 | 12.5 |
| 12 | 124950001 | 125263153 | NCOR2 | 1 | 12.5 | 1 | 12.5 |
| 12 | 125263154 | 125350000 |  | 1 | 12.5 | 0 | 0 |
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| 12 | 125400001 | 127250000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 127250001 | 127350000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 127350001 | 132600000 |  | 1 | 12.5 | 0 | 0 |
| 12 | 133050001 | 133150000 |  | 0 | 0 | 1 | 12.5 |
| 12 | 133500001 | 133700000 |  | 0 | 0 | 5 | 62.5 |
| 13 | 19600475 | 19748333 |  | 0 | 0 | 1 | 12.5 |
| 13 | 19751050 | 20222699 |  | 0 | 0 | 1 | 12.5 |
| 13 | 20235766 | 20250000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 20250001 | 20600000 |  | 1 | 12.5 | 1 | 12.5 |
| 13 | 20600001 | 20650000 |  | 1 | 12.5 | 1 | 12.5 |
| 13 | 20650001 | 20987451 |  | 1 | 12.5 | 0 | 0 |
| 13 | 20987456 | 21008033 |  | 0 | 0 | 1 | 12.5 |
| 13 | 25650001 | 25700000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 29250001 | 29300000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 30097465 | 31000000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 31000001 | 31050000 |  | 2 | 25 | 0 | 0 |
| 13 | 31050001 | 31711282 |  | 1 | 12.5 | 0 | 0 |
| 13 | 31711491 | 31729805 |  | 1 | 12.5 | 0 | 0 |
| 13 | 33600001 | 33650000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 35517012 | 36749034 | NBEA | 1 | 12.5 | 0 | 0 |
| 13 | 37619292 | 37622782 |  | 1 | 12.5 | 0 | 0 |
| 13 | 45000001 | 45050000 |  | 1 | 12.5 | 0 | 0 |
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| 13 | 46065017 | 46067666 |  | 1 | 12.5 | 0 | 0 |
| 13 | 48800001 | 48850000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 50450001 | 50550000 |  | 0 | 0 | 1 | 12.5 |
| 13 | 50550001 | 50600000 |  | 0 | 0 | 1 | 12.5 |
| 13 | 50600001 | 50700000 |  | 0 | 0 | 1 | 12.5 |
| 13 | 50700001 | 50800000 |  | 0 | 0 | 0 | 0 |
| 13 | 52950001 | 53000000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 57750001 | 57800000 |  | 0 | 0 | 2 | 25 |
| 13 | 58750001 | 58900000 |  | 0 | 0 | 0 | 0 |
| 13 | 59100001 | 59350000 |  | 0 | 0 | 0 | 0 |
| 13 | 59900001 | 59950000 |  | 0 | 0 | 0 | 0 |
| 13 | 60200001 | 60600000 |  | 0 | 0 | 0 | 0 |
| 13 | 61400001 | 61600000 |  | 0 | 0 | 0 | 0 |
| 13 | 63750001 | 63850000 |  | 0 | 0 | 0 | 0 |
| 13 | 65250001 | 65950000 |  | 0 | 0 | 0 | 0 |
| 13 | 67350001 | 67450000 |  | 0 | 0 | 0 | 0 |
| 13 | 69400001 | 69500000 |  | 0 | 0 | 0 | 0 |
| 13 | 69800001 | 69900000 |  | 0 | 0 | 0 | 0 |
| 13 | 70100001 | 70650000 |  | 0 | 0 | 0 | 0 |
| 13 | 70650001 | 70850000 |  | 0 | 0 | 0 | 0 |
| 13 | 71950001 | 72250000 |  | 0 | 0 | 0 | 0 |
| 13 | 74500001 | 74600000 |  | 0 | 0 | 0 | 0 |
| 13 | 75700001 | 75750000 |  | 0 | 0 | 0 | 0 |
| 13 | 77000001 | 77050000 |  | 0 | 0 | 0 | 0 |
| 13 | 77450001 | 77500000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 77550001 | 77600000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 77831797 | 77835485 |  | 1 | 12.5 | 0 | 0 |
| 13 | 83950001 | 84000000 |  | 0 | 0 | 0 | 0 |
| 13 | 85000001 | 85050000 |  | 0 | 0 | 0 | 0 |
| 13 | 87600001 | 87800000 |  | 0 | 0 | 0 | 0 |
| 13 | 87800001 | 87850000 |  | 0 | 0 | 0 | 0 |
| 13 | 87850001 | 87900000 |  | 0 | 0 | 0 | 0 |
| 13 | 89150001 | 89200000 |  | 0 | 0 | 0 | 0 |
| 13 | 90200001 | 91200000 |  | 0 | 0 | 0 | 0 |
| 13 | 91300001 | 91600000 |  | 0 | 0 | 0 | 0 |
| 13 | 99050001 | 99150000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 105050001 | 105200000 |  | 0 | 0 | 0 | 0 |
| 13 | 105900001 | 105950000 |  | 0 | 0 | 0 | 0 |
| 13 | 110000001 | 110100000 |  | 0 | 0 | 0 | 0 |
| 13 | 110800001 | 110850000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 111150001 | 111200000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 111850001 | 112000000 |  | 0 | 0 | 0 | 0 |
| 13 | 113500001 | 113550000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 113950001 | 114000000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 114290955 | 114500000 |  | 1 | 12.5 | 0 | 0 |
| 13 | 114500001 | 114550000 |  | 2 | 25 | 0 | 0 |
| 13 | 114550001 | 114793000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 19685131 | 20201784 |  | 0 | 0 | 1 | 12.5 |
| 14 | 20201785 | 20201977 |  | 0 | 0 | 2 | 25 |
| 14 | 20201978 | 20202105 |  | 0 | 0 | 1 | 12.5 |
| 14 | 20202106 | 20264629 |  | 1 | 12.5 | 1 | 12.5 |
| 14 | 20264630 | 20265362 |  | 0 | 0 | 1 | 12.5 |
| 14 | 20265363 | 20350000 |  | 1 | 12.5 | 1 | 12.5 |
| 14 | 20350001 | 20389508 |  | 4 | 50 | 1 | 12.5 |
| 14 | 20389509 | 20400000 |  | 4 | 50 | 0 | 0 |
| 14 | 20400001 | 20763621 |  | 1 | 12.5 | 0 | 0 |
| 14 | 22111231 | 22887738 |  | 0 | 0 | 1 | 12.5 |
| 14 | 23200001 | 23300000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 23300001 | 23350000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 23350001 | 23450000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 24550001 | 24800000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 26400001 | 26450000 |  | 0 | 0 | 0 | 0 |
| 14 | 28800001 | 29050000 |  | 0 | 0 | 0 | 0 |
| 14 | 31350001 | 31950000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 33100001 | 33150000 |  | 0 | 0 | 0 | 0 |
| 14 | 35600001 | 35650000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 36334875 | 36500000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 36500001 | 36784156 |  | 1 | 12.5 | 0 | 0 |
| 14 | 36784157 | 36850000 |  | 0 | 0 | 0 | 0 |
| 14 | 39400001 | 40250000 |  | 0 | 0 | 0 | 0 |
| 14 | 40350001 | 40700000 |  | 0 | 0 | 0 | 0 |
| 14 | 40700001 | 40900000 |  | 0 | 0 | 0 | 0 |
| 14 | 41000001 | 41050000 |  | 0 | 0 | 0 | 0 |
| 14 | 42200001 | 43050000 |  | 0 | 0 | 0 | 0 |
| 14 | 44750001 | 44800000 |  | 0 | 0 | 0 | 0 |
| 14 | 45584003 | 45587872 |  | 1 | 12.5 | 0 | 0 |
| 14 | 45706750 | 45716484 |  | 1 | 12.5 | 0 | 0 |
| 14 | 46250001 | 46300000 |  | 0 | 0 | 0 | 0 |
| 14 | 50000001 | 50200000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 50200001 | 50350000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 50350001 | 50700000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 50700001 | 50750000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 50750001 | 50892553 |  | 0 | 0 | 1 | 12.5 |
| 14 | 50892554 | 50941947 |  | 1 | 12.5 | 1 | 12.5 |
| 14 | 50941948 | 50950000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 51000001 | 51150000 |  | 0 | 0 | 0 | 0 |
| 14 | 52100001 | 52150000 |  | 0 | 0 | 0 | 0 |
| 14 | 54450001 | 54600000 |  | 0 | 0 | 0 | 0 |
| 14 | 56100001 | 56139239 | KTN1 | 1 | 12.5 | 0 | 0 |
| 7 | 152000001 | 152450000 | KMT2C | 2 | 25 | 0 | 0 |
| 14 | 56142723 | 56150000 | KTN1 | 1 | 12.5 | 0 | 0 |
| 14 | 56150657 | 59250000 | KTN1 | 0 | 0 | 0 | 0 |
| 14 | 59250001 | 59400000 |  | 0 | 0 | 0 | 0 |
| 14 | 59400001 | 59758049 |  | 0 | 0 | 0 | 0 |
| 14 | 68800001 | 68850000 | RAD51B | 0 | 0 | 0 | 0 |
| 14 | 69250001 | 69300000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 69600001 | 69700000 |  | 0 | 0 | 0 | 0 |
| 14 | 70050001 | 70100000 |  | 0 | 0 | 0 | 0 |
| 14 | 71700001 | 71750000 |  | 0 | 0 | 0 | 0 |
| 14 | 71750001 | 71950000 |  | 0 | 0 | 0 | 0 |
| 14 | 71950001 | 72100000 |  | 0 | 0 | 0 | 0 |
| 14 | 73350001 | 74850000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 77900001 | 77950000 |  | 0 | 0 | 0 | 0 |
| 14 | 86950001 | 87000000 |  | 0 | 0 | 0 | 0 |
| 14 | 94050001 | 94100000 |  | 0 | 0 | 0 | 0 |
| 14 | 95578489 | 95583036 | DICER1 | 1 | 12.5 | 0 | 0 |
| 14 | 99000001 | 99050000 |  | 0 | 0 | 0 | 0 |
| 14 | 101518760 | 102100000 |  | 0 | 0 | 0 | 0 |
| 14 | 102100001 | 102450000 |  | 0 | 0 | 0 | 0 |
| 14 | 102450001 | 102600000 | HSP90AA1 | 1 | 12.5 | 0 | 0 |
| 14 | 102600001 | 102749916 | HSP90AA1 | 0 | 0 | 0 | 0 |
| 14 | 103100001 | 103150000 |  | 0 | 0 | 0 | 0 |
| 14 | 103200001 | 103350000 |  | 0 | 0 | 0 | 0 |
| 14 | 103350001 | 103550000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 103550001 | 103650000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 104381361 | 104552105 |  | 0 | 0 | 1 | 12.5 |
| 14 | 104552106 | 104600000 |  | 0 | 0 | 2 | 25 |
| 14 | 104600001 | 104605688 |  | 0 | 0 | 3 | 37.5 |
| 14 | 104605689 | 104650000 |  | 0 | 0 | 2 | 25 |
| 14 | 104650001 | 105052865 |  | 0 | 0 | 1 | 12.5 |
| 14 | 105054055 | 105150000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 105150001 | 105200000 |  | 0 | 0 | 2 | 25 |
| 14 | 105200001 | 105396420 | AKT1 | 0 | 0 | 1 | 12.5 |
| 14 | 105397099 | 105521796 |  | 1 | 12.5 | 0 | 0 |
| 14 | 105523437 | 105600000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 105600001 | 105650000 |  | 0 | 0 | 2 | 25 |
| 14 | 105650001 | 105900000 |  | 0 | 0 | 1 | 12.5 |
| 14 | 105900001 | 105911969 |  | 0 | 0 | 2 | 25 |
| 14 | 105911970 | 105950000 |  | 1 | 12.5 | 2 | 25 |
| 14 | 105950001 | 105958097 |  | 1 | 12.5 | 1 | 12.5 |
| 14 | 105958098 | 106388177 |  | 0 | 0 | 1 | 12.5 |
| 14 | 106388377 | 106500000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 106500001 | 106550000 |  | 1 | 12.5 | 2 | 25 |
| 14 | 106550001 | 106650000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 106650001 | 106750000 |  | 2 | 25 | 0 | 0 |
| 14 | 106750001 | 106791199 |  | 2 | 25 | 0 | 0 |
| 14 | 106791200 | 106791279 |  | 1 | 12.5 | 0 | 0 |
| 14 | 106791280 | 106950000 |  | 2 | 25 | 0 | 0 |
| 14 | 106950001 | 107050000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 107050001 | 107250000 |  | 1 | 12.5 | 0 | 0 |
| 14 | 107250001 | 107283035 |  | 1 | 12.5 | 0 | 0 |
| 15 | 20444645 | 20876433 |  | 1 | 12.5 | 0 | 0 |
| 15 | 20876434 | 22500000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 22500001 | 22550000 |  | 4 | 50 | 1 | 12.5 |
| 15 | 22550001 | 22939365 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 22939366 | 25300000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 25300001 | 25500000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 25500001 | 31650000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 31650001 | 31700000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 31700001 | 32928386 |  | 0 | 0 | 1 | 12.5 |
| 15 | 32928387 | 34153421 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 34153422 | 34750000 | NUTM1 | 0 | 0 | 1 | 12.5 |
| 15 | 34750001 | 34800000 |  | 0 | 0 | 3 | 37.5 |
| 15 | 34800001 | 35250000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 35250001 | 35274033 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 35274034 | 35274045 |  | 1 | 12.5 | 0 | 0 |
| 15 | 35274046 | 35275294 |  | 2 | 25 | 0 | 0 |
| 15 | 35275295 | 35300000 |  | 1 | 12.5 | 0 | 0 |
| 15 | 35450001 | 35550000 |  | 0 | 0 | 0 | 0 |
| 15 | 35814330 | 36450000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 36450001 | 36500000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 36500001 | 37750000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 37750001 | 37800000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 37800001 | 40700000 | BUB1B,KNSTRN | 0 | 0 | 1 | 12.5 |
| 15 | 40700001 | 40750000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 40750001 | 40800000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 40800001 | 40850000 |  | 0 | 0 | 2 | 25 |
| 15 | 40850001 | 41050000 | CASC5 | 0 | 0 | 2 | 25 |
| 15 | 41050001 | 41550000 |  | 0 | 0 | 2 | 25 |
| 15 | 41550001 | 41600000 |  | 1 | 12.5 | 2 | 25 |
| 15 | 41600001 | 41800000 |  | 0 | 0 | 2 | 25 |
| 15 | 41800001 | 42100000 |  | 0 | 0 | 2 | 25 |
| 15 | 42100001 | 42150000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 42150001 | 42200000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 42200001 | 42450000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 42450001 | 42650000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 42650001 | 42700000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 42700001 | 42750000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 42750001 | 43100000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 43100001 | 43350000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 43350001 | 43550000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 43550001 | 44050000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 44050001 | 44100000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 44100001 | 44150000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 44150001 | 44500000 |  | 0 | 0 | 1 | 12.5 |
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| 15 | 45000001 | 45050000 | B2M | 1 | 12.5 | 1 | 12.5 |
| 15 | 45050001 | 45650000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 45650001 | 45700000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 45700001 | 50550000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 50550001 | 50899514 | USP8 | 0 | 0 | 2 | 25 |
| 15 | 50899515 | 50901784 |  | 0 | 0 | 1 | 12.5 |
| 15 | 50901785 | 50950000 |  | 0 | 0 | 2 | 25 |
| 15 | 50950001 | 51300000 |  | 0 | 0 | 2 | 25 |
| 15 | 51300001 | 51799552 |  | 0 | 0 | 1 | 12.5 |
| 15 | 51828373 | 52200000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 52200001 | 52250000 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 52250001 | 55500000 | MYO5A | 0 | 0 | 1 | 12.5 |
| 15 | 55500001 | 55750000 | C15orf65 | 0 | 0 | 1 | 12.5 |
| 15 | 55750001 | 56683618 |  | 0 | 0 | 1 | 12.5 |
| 15 | 56726289 | 56985405 |  | 1 | 12.5 | 0 | 0 |
| 15 | 56992951 | 59500000 | TCF12 | 0 | 0 | 1 | 12.5 |
| 15 | 59500001 | 59550000 |  | 0 | 0 | 1 | 12.5 |
| 15 | 59550001 | 62208232 |  | 0 | 0 | 1 | 12.5 |
| 15 | 62212249 | 62214960 |  | 1 | 12.5 | 0 | 0 |
| 15 | 62217629 | 63850000 |  | 0 | 0 | 0 | 0 |
| 15 | 63850001 | 64150000 |  | 0 | 0 | 0 | 0 |
| 15 | 64150001 | 66500000 |  | 0 | 0 | 0 | 0 |
| 15 | 66500001 | 66550000 |  | 0 | 0 | 0 | 0 |
| 15 | 66550001 | 66850000 | MAP2K1 | 0 | 0 | 1 | 12.5 |
| 15 | 66850001 | 66900000 |  | 0 | 0 | 0 | 0 |
| 15 | 66900001 | 71100000 | SMAD3 | 0 | 0 | 0 | 0 |
| 15 | 71100001 | 71150000 |  | 0 | 0 | 0 | 0 |
| 15 | 71150001 | 72450000 |  | 0 | 0 | 0 | 0 |
| 15 | 72450001 | 72550000 |  | 1 | 12.5 | 0 | 0 |
| 15 | 72550001 | 73889316 |  | 0 | 0 | 0 | 0 |
| 15 | 73889317 | 74006233 |  | 0 | 0 | 1 | 12.5 |
| 15 | 74006234 | 76150000 | PML | 0 | 0 | 0 | 0 |
| 15 | 76150001 | 76300000 |  | 0 | 0 | 0 | 0 |
| 15 | 76300001 | 77300000 |  | 0 | 0 | 0 | 0 |
| 15 | 77300001 | 77350000 |  | 1 | 12.5 | 0 | 0 |
| 15 | 77350001 | 78550000 |  | 0 | 0 | 0 | 0 |
| 15 | 78550001 | 78600000 |  | 1 | 12.5 | 0 | 0 |
| 15 | 78600001 | 79054821 |  | 0 | 0 | 0 | 0 |
| 15 | 79054822 | 79186059 |  | 0 | 0 | 1 | 12.5 |
| 15 | 79186060 | 82050000 |  | 0 | 0 | 0 | 0 |
| 15 | 82050001 | 82100000 |  | 0 | 0 | 0 | 0 |
| 15 | 82100001 | 82450000 |  | 0 | 0 | 0 | 0 |
| 15 | 82450001 | 83450000 |  | 0 | 0 | 0 | 0 |
| 15 | 83450001 | 85400000 |  | 0 | 0 | 0 | 0 |
| 15 | 85400001 | 85450000 |  | 1 | 12.5 | 0 | 0 |
| 15 | 85450001 | 89550000 | NTRK3 | 0 | 0 | 0 | 0 |
| 15 | 89550001 | 89700000 |  | 0 | 0 | 0 | 0 |
| 15 | 89700001 | 89750000 |  | 1 | 12.5 | 0 | 0 |
| 15 | 89750001 | 90300000 | POLG | 0 | 0 | 0 | 0 |
| 15 | 90300001 | 90350000 |  | 1 | 12.5 | 0 | 0 |
| 15 | 90350001 | 90600000 |  | 0 | 0 | 0 | 0 |
| 15 | 90600001 | 90650000 | IDH2 | 1 | 12.5 | 0 | 0 |
| 15 | 90650001 | 91400000 | CRTC3,BLM | 0 | 0 | 0 | 0 |
| 15 | 91400001 | 91500000 | FES | 1 | 12.5 | 0 | 0 |
| 15 | 91500001 | 92350000 |  | 0 | 0 | 0 | 0 |
| 15 | 92350001 | 92450000 |  | 0 | 0 | 0 | 0 |
| 15 | 92450001 | 92800000 |  | 0 | 0 | 0 | 0 |
| 15 | 92800001 | 92850000 |  | 1 | 12.5 | 0 | 0 |
| 15 | 92850001 | 97350000 | CHD2 | 0 | 0 | 0 | 0 |
| 15 | 97350001 | 97500000 |  | 0 | 0 | 0 | 0 |
| 15 | 97500001 | 99300000 |  | 0 | 0 | 0 | 0 |
| 15 | 99300001 | 99450000 |  | 0 | 0 | 0 | 0 |
| 15 | 99450001 | 102192064 |  | 0 | 0 | 0 | 0 |
| 15 | 102192408 | 102312397 |  | 0 | 0 | 1 | 12.5 |
| 15 | 102312398 | 102389333 |  | 1 | 12.5 | 1 | 12.5 |
| 15 | 102389334 | 102389745 |  | 0 | 0 | 1 | 12.5 |
| 16 | 1 | 81703 |  | 3 | 37.5 | 0 | 0 |
| 16 | 81704 | 100000 |  | 3 | 37.5 | 1 | 12.5 |
| 8 | 30915911 | 31030626 | WRN | 2 | 25 | 0 | 0 |
| 8 | 90955406 | 90995090 | NBN | 2 | 25 | 0 | 0 |
| 16 | 600001 | 800000 |  | 3 | 37.5 | 2 | 25 |
| 16 | 800001 | 850000 |  | 2 | 25 | 2 | 25 |
| 16 | 850001 | 900000 |  | 4 | 50 | 1 | 12.5 |
| 16 | 900001 | 1050000 |  | 3 | 37.5 | 1 | 12.5 |
| 16 | 1050001 | 1250000 |  | 2 | 25 | 2 | 25 |
| 16 | 1250001 | 1350000 |  | 2 | 25 | 1 | 12.5 |
| 16 | 1350001 | 1578341 |  | 3 | 37.5 | 1 | 12.5 |
| 8 | 101700001 | 101750000 | PABPC1 | 2 | 25 | 0 | 0 |
| 8 | 134200001 | 134300000 | NDRG1 | 2 | 25 | 0 | 0 |
| 16 | 2250001 | 2350000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 2350001 | 2800000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 2800001 | 2850000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 2850001 | 3050000 |  | 2 | 25 | 0 | 0 |
| 16 | 3050001 | 3150000 |  | 3 | 37.5 | 0 | 0 |
| 9 | 130550001 | 131850000 | SET | 2 | 25 | 0 | 0 |
| 16 | 4350001 | 4850000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 4850001 | 4950000 |  | 4 | 50 | 0 | 0 |
| 16 | 4950001 | 5050000 |  | 3 | 37.5 | 0 | 0 |
| 9 | 139300001 | 139400000 | NOTCH1 | 2 | 25 | 1 | 12.5 |
| 11 | 3650001 | 3700000 | NUP98 | 3 | 37.5 | 0 | 0 |
| 12 | 49300001 | 49750000 | KMT2D | 2 | 25 | 0 | 0 |
| 16 | 16900001 | 19100000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 19100001 | 20400000 |  | 2 | 25 | 0 | 0 |
| 16 | 20400001 | 20650000 |  | 2 | 25 | 0 | 0 |
| 16 | 20650001 | 21050000 |  | 2 | 25 | 0 | 0 |
| 16 | 21050001 | 22400000 |  | 2 | 25 | 0 | 0 |
| 16 | 22400001 | 22650000 |  | 2 | 25 | 0 | 0 |
| 16 | 22650001 | 22700000 |  | 5 | 62.5 | 0 | 0 |
| 16 | 22700001 | 22750000 |  | 5 | 62.5 | 0 | 0 |
| 16 | 22750001 | 23100000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 23100001 | 23400000 |  | 2 | 25 | 0 | 0 |
| 14 | 56139240 | 56142722 | KTN1 | 2 | 25 | 0 | 0 |
| 16 | 100001 | 400000 | AXIN1 | 3 | 37.5 | 1 | 12.5 |
| 16 | 25400001 | 27200000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 27200001 | 27250000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 400001 | 600000 | AXIN1 | 3 | 37.5 | 1 | 12.5 |
| 16 | 27800001 | 27950000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 27950001 | 28150000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 28150001 | 28187255 |  | 2 | 25 | 0 | 0 |
| 16 | 28187256 | 28332251 |  | 3 | 37.5 | 0 | 0 |
| 16 | 28332252 | 28500000 |  | 2 | 25 | 0 | 0 |
| 16 | 28500001 | 29050000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 29050001 | 29650000 |  | 2 | 25 | 0 | 0 |
| 16 | 29650001 | 29700000 |  | 2 | 25 | 0 | 0 |
| 16 | 29700001 | 29850000 |  | 2 | 25 | 0 | 0 |
| 16 | 29850001 | 29950000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 29950001 | 30650000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 30650001 | 31000000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 1578342 | 2200000 | NTHL1,TSC2 | 3 | 37.5 | 0 | 0 |
| 16 | 2200001 | 2250000 | TRAF7 | 3 | 37.5 | 1 | 12.5 |
| 16 | 31250001 | 31350000 |  | 2 | 25 | 0 | 0 |
| 16 | 31350001 | 31613890 |  | 3 | 37.5 | 0 | 0 |
| 16 | 31613891 | 31750000 |  | 4 | 50 | 0 | 0 |
| 16 | 31750001 | 31765494 |  | 4 | 50 | 0 | 0 |
| 16 | 31765495 | 31800000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 31800001 | 31850000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 31850001 | 31950000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 31950001 | 32550000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 32550001 | 32600000 |  | 5 | 62.5 | 0 | 0 |
| 16 | 32600001 | 32650000 |  | 5 | 62.5 | 0 | 0 |
| 16 | 32650001 | 33900000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 33900001 | 34000000 |  | 5 | 62.5 | 0 | 0 |
| 16 | 34000001 | 34250000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 34250001 | 35150000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 35150001 | 35200000 |  | 4 | 50 | 0 | 0 |
| 16 | 35200001 | 35250000 |  | 5 | 62.5 | 0 | 0 |
| 16 | 35250001 | 46550000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 46550001 | 46650000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 46650001 | 48050000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 48050001 | 48150000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 48150001 | 48200000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 48200001 | 48850000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 48850001 | 49950000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 49950001 | 50300000 |  | 2 | 25 | 0 | 0 |
| 16 | 3150001 | 4350000 | CREBBP | 2 | 25 | 0 | 0 |
| 16 | 52550001 | 52650000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 52650001 | 52850000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 52850001 | 52900000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 52900001 | 54950000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 54950001 | 55880339 |  | 3 | 37.5 | 0 | 0 |
| 16 | 55880340 | 55895503 |  | 4 | 50 | 0 | 0 |
| 16 | 55895504 | 56400000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 5050001 | 10300000 | GRIN2A | 3 | 37.5 | 0 | 0 |
| 16 | 57200001 | 57400000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 57400001 | 57500000 |  | 4 | 50 | 0 | 0 |
| 16 | 57500001 | 57700000 |  | 4 | 50 | 0 | 0 |
| 16 | 57700001 | 58500000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 58500001 | 58850000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 58850001 | 59700000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 59700001 | 59850000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 59850001 | 60600000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 60600001 | 60700000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 60700001 | 62000000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 62000001 | 62200000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 62200001 | 63150000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 63150001 | 63200000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 63200001 | 63400000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 63400001 | 64250000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 64250001 | 64600000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 64600001 | 64700000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 10300001 | 14400000 | CIITA,RMI2,SOCS1,TNFRSF17,ERCC4 | 3 | 37.5 | 0 | 0 |
| 16 | 66550001 | 66600000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 66600001 | 66650000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 66650001 | 66900000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 66900001 | 66950000 |  | 4 | 50 | 0 | 0 |
| 16 | 66950001 | 67000000 |  | 4 | 50 | 0 | 0 |
| 16 | 14400001 | 16900000 | MYH11 | 2 | 25 | 0 | 0 |
| 16 | 23400001 | 23700000 | PALB2 | 2 | 25 | 0 | 0 |
| 16 | 68000001 | 68150000 |  | 2 | 25 | 0 | 0 |
| 16 | 68150001 | 68300000 |  | 2 | 25 | 0 | 0 |
| 16 | 68300001 | 68550000 |  | 2 | 25 | 0 | 0 |
| 16 | 23700001 | 25400000 | PRKCB | 2 | 25 | 0 | 0 |
| 16 | 27250001 | 27800000 | IL21R | 3 | 37.5 | 0 | 0 |
| 16 | 69900001 | 70700000 |  | 2 | 25 | 0 | 0 |
| 16 | 70700001 | 70750000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 70750001 | 70850000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 70850001 | 70900000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 70900001 | 71200000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 71200001 | 71600000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 71600001 | 72100000 |  | 2 | 25 | 0 | 0 |
| 16 | 31000001 | 31200000 | FUS | 3 | 37.5 | 0 | 0 |
| 16 | 74100001 | 75550000 |  | 2 | 25 | 0 | 0 |
| 16 | 75550001 | 75700000 |  | 2 | 25 | 0 | 0 |
| 16 | 75700001 | 75750000 |  | 2 | 25 | 0 | 0 |
| 16 | 75750001 | 75800000 |  | 2 | 25 | 0 | 0 |
| 16 | 75800001 | 76050000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 31200001 | 31250000 | FUS | 3 | 37.5 | 0 | 0 |
| 16 | 82450001 | 83650000 |  | 3 | 37.5 | 1 | 12.5 |
| 16 | 83650001 | 84100000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 84100001 | 84200000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 84200001 | 87700000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 87700001 | 87750000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 87750001 | 88066699 |  | 3 | 37.5 | 0 | 0 |
| 16 | 88066700 | 88450000 |  | 3 | 37.5 | 1 | 12.5 |
| 16 | 88450001 | 88500000 |  | 3 | 37.5 | 2 | 25 |
| 16 | 88500001 | 88600000 |  | 2 | 25 | 3 | 37.5 |
| 16 | 50300001 | 52550000 | CYLD | 3 | 37.5 | 0 | 0 |
| 16 | 56400001 | 57200000 | HERPUD1 | 3 | 37.5 | 0 | 0 |
| 16 | 64700001 | 66550000 | CDH11 | 3 | 37.5 | 0 | 0 |
| 16 | 89600001 | 89650000 |  | 3 | 37.5 | 1 | 12.5 |
| 16 | 67000001 | 67500000 | CBFB | 4 | 50 | 0 | 0 |
| 16 | 90110479 | 90110552 |  | 3 | 37.5 | 0 | 0 |
| 16 | 90110553 | 90142246 |  | 4 | 50 | 0 | 0 |
| 16 | 90142247 | 90150000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 90150001 | 90354753 |  | 3 | 37.5 | 0 | 0 |
| 17 | 6004 | 463696 |  | 1 | 12.5 | 0 | 0 |
| 17 | 463697 | 767391 |  | 2 | 25 | 0 | 0 |
| 17 | 767392 | 799977 |  | 1 | 12.5 | 0 | 0 |
| 16 | 67500001 | 68000000 | CTCF | 3 | 37.5 | 0 | 0 |
| 17 | 2607792 | 2651378 |  | 1 | 12.5 | 0 | 0 |
| 17 | 2651379 | 3629315 |  | 2 | 25 | 0 | 0 |
| 17 | 3629316 | 3629319 |  | 1 | 12.5 | 0 | 0 |
| 17 | 3629320 | 4579844 |  | 2 | 25 | 0 | 0 |
| 17 | 4579845 | 4580022 |  | 1 | 12.5 | 0 | 0 |
| 17 | 4580023 | 4701047 |  | 2 | 25 | 0 | 0 |
| 17 | 4701048 | 4701281 |  | 1 | 12.5 | 0 | 0 |
| 17 | 4701282 | 4726186 |  | 2 | 25 | 0 | 0 |
| 17 | 4726187 | 4736820 |  | 1 | 12.5 | 0 | 0 |
| 17 | 4736821 | 4784524 |  | 1 | 12.5 | 1 | 12.5 |
| 17 | 4784525 | 4787609 |  | 1 | 12.5 | 0 | 0 |
| 16 | 68550001 | 68800000 | CDH1 | 2 | 25 | 0 | 0 |
| 17 | 5400001 | 7100000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 7100001 | 7500000 |  | 4 | 50 | 0 | 0 |
| 16 | 68800001 | 69900000 | CDH1 | 2 | 25 | 0 | 0 |
| 16 | 72100001 | 74100000 | ZFHX3 | 3 | 37.5 | 0 | 0 |
| 17 | 8300001 | 9500000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 9500001 | 9600000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 9600001 | 9631573 |  | 3 | 37.5 | 0 | 0 |
| 16 | 76050001 | 82450000 | MAF | 3 | 37.5 | 0 | 0 |
| 17 | 10209969 | 10210300 |  | 1 | 12.5 | 0 | 0 |
| 17 | 10210301 | 11886800 |  | 2 | 25 | 0 | 0 |
| 17 | 11886801 | 11887420 |  | 1 | 12.5 | 0 | 0 |
| 17 | 11887421 | 11984885 | MAP2K4 | 1 | 12.5 | 1 | 12.5 |
| 17 | 11984886 | 11985220 | MAP2K4 | 1 | 12.5 | 0 | 0 |
| 16 | 88600001 | 88947205 | CBFA2T3 | 2 | 25 | 1 | 12.5 |
| 17 | 12855759 | 15150000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 15150001 | 15300000 |  | 3 | 37.5 | 0 | 0 |
| 16 | 88947206 | 88958277 | CBFA2T3 | 2 | 25 | 0 | 0 |
| 16 | 88958278 | 89600000 | CBFA2T3 | 2 | 25 | 1 | 12.5 |
| 17 | 16200001 | 16676861 |  | 3 | 37.5 | 0 | 0 |
| 17 | 16676862 | 16734782 |  | 2 | 25 | 0 | 0 |
| 16 | 89650001 | 90110478 | FANCA | 3 | 37.5 | 1 | 12.5 |
| 17 | 17769813 | 17770077 |  | 2 | 25 | 0 | 0 |
| 17 | 17770078 | 19550000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 799978 | 2607791 | YWHAE | 2 | 25 | 0 | 0 |
| 17 | 4787610 | 5400000 | USP6,RABEP1 | 2 | 25 | 0 | 0 |
| 17 | 21150001 | 21200000 |  | 4 | 50 | 0 | 0 |
| 17 | 21200001 | 21250000 |  | 6 | 75 | 0 | 0 |
| 17 | 21250001 | 21300000 |  | 5 | 62.5 | 0 | 0 |
| 17 | 21300001 | 21350000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 21350001 | 27500000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 27500001 | 28650000 |  | 2 | 25 | 0 | 0 |
| 17 | 28650001 | 29300000 |  | 2 | 25 | 0 | 0 |
| 17 | 7500001 | 8050000 | TP53,PER1 | 3 | 37.5 | 0 | 0 |
| 17 | 31250001 | 31266566 |  | 3 | 37.5 | 0 | 0 |
| 17 | 31266567 | 31322402 |  | 2 | 25 | 0 | 0 |
| 17 | 31322403 | 33250000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 33250001 | 34100000 |  | 2 | 25 | 0 | 0 |
| 17 | 8050001 | 8300000 | PER1 | 4 | 50 | 0 | 0 |
| 17 | 34200001 | 36522366 |  | 2 | 25 | 0 | 0 |
| 17 | 36522367 | 36523710 |  | 1 | 12.5 | 0 | 0 |
| 17 | 36523711 | 36552226 |  | 2 | 25 | 0 | 0 |
| 17 | 36552227 | 36584717 |  | 1 | 12.5 | 0 | 0 |
| 17 | 36584718 | 36724577 |  | 1 | 12.5 | 1 | 12.5 |
| 17 | 36724578 | 37400000 | MLLT6,LASP1 | 1 | 12.5 | 0 | 0 |
| 17 | 37400001 | 37563727 |  | 1 | 12.5 | 0 | 0 |
| 17 | 9631574 | 10209968 | GAS7 | 2 | 25 | 0 | 0 |
| 17 | 11985221 | 12855758 | MAP2K4 | 2 | 25 | 0 | 0 |
| 17 | 15300001 | 16050000 | NCOR1 | 3 | 37.5 | 0 | 0 |
| 17 | 16050001 | 16200000 | NCOR1 | 2 | 25 | 0 | 0 |
| 17 | 16734783 | 17769812 | FLCN | 2 | 25 | 1 | 12.5 |
| 17 | 39450001 | 39800000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 39800001 | 39900000 |  | 2 | 25 | 0 | 0 |
| 17 | 39900001 | 39967503 |  | 3 | 37.5 | 0 | 0 |
| 17 | 39967504 | 40025232 |  | 2 | 25 | 0 | 0 |
| 17 | 40025233 | 40150000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 19550001 | 20200000 | SPECC1 | 3 | 37.5 | 0 | 0 |
| 17 | 41121279 | 41122267 |  | 1 | 12.5 | 0 | 0 |
| 17 | 41122268 | 41170874 |  | 2 | 25 | 0 | 0 |
| 17 | 41170875 | 41173958 |  | 1 | 12.5 | 0 | 0 |
| 17 | 20200001 | 21150000 | SPECC1 | 3 | 37.5 | 0 | 0 |
| 17 | 41400001 | 41450000 |  | 4 | 50 | 0 | 0 |
| 17 | 29300001 | 31250000 | NF1,SUZ12 | 2 | 25 | 0 | 0 |
| 17 | 41850001 | 42200000 |  | 2 | 25 | 0 | 0 |
| 17 | 42200001 | 46550000 |  | 2 | 25 | 0 | 0 |
| 17 | 46550001 | 46800000 |  | 2 | 25 | 0 | 0 |
| 17 | 46800001 | 46850000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 46850001 | 47450000 |  | 2 | 25 | 0 | 0 |
| 17 | 34100001 | 34200000 | TAF15 | 2 | 25 | 0 | 0 |
| 17 | 48158877 | 48165007 |  | 2 | 25 | 0 | 0 |
| 17 | 37563728 | 37700000 | CDK12 | 2 | 25 | 0 | 0 |
| 17 | 37700001 | 37750000 | CDK12 | 2 | 25 | 0 | 0 |
| 17 | 37750001 | 38350000 | ERBB2 | 3 | 37.5 | 0 | 0 |
| 17 | 49050001 | 49250000 |  | 2 | 25 | 0 | 0 |
| 17 | 49250001 | 49400000 |  | 2 | 25 | 0 | 0 |
| 17 | 49400001 | 49750000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 49750001 | 49850000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 38500001 | 39450000 | RARA,CCR7,SMARCE1 | 3 | 37.5 | 0 | 0 |
| 17 | 41173959 | 41400000 | BRCA1 | 2 | 25 | 0 | 0 |
| 17 | 41450001 | 41850000 | ETV4 | 2 | 25 | 0 | 0 |
| 17 | 47450001 | 48158876 | SPOP,KAT7 | 3 | 37.5 | 0 | 0 |
| 17 | 49850001 | 56350000 | HLF,MSI2 | 3 | 37.5 | 0 | 0 |
| 17 | 62550001 | 62600000 |  | 2 | 25 | 0 | 0 |
| 17 | 62600001 | 63050000 |  | 2 | 25 | 0 | 0 |
| 17 | 56350001 | 56500000 | RNF43 | 3 | 37.5 | 0 | 0 |
| 17 | 63750001 | 64300000 |  | 2 | 25 | 0 | 0 |
| 17 | 64300001 | 65000000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 65000001 | 66050000 |  | 2 | 25 | 0 | 0 |
| 17 | 59700001 | 60150000 | BRIP1 | 2 | 25 | 0 | 0 |
| 17 | 67513085 | 67600000 |  | 2 | 25 | 0 | 0 |
| 17 | 67600001 | 67850000 |  | 2 | 25 | 0 | 0 |
| 17 | 67850001 | 71350000 |  | 2 | 25 | 0 | 0 |
| 17 | 71350001 | 72700000 |  | 2 | 25 | 0 | 0 |
| 17 | 72700001 | 72773616 |  | 3 | 37.5 | 0 | 0 |
| 17 | 72773617 | 72773645 |  | 2 | 25 | 0 | 0 |
| 17 | 72773646 | 72900000 |  | 3 | 37.5 | 0 | 0 |
| 17 | 63050001 | 63750000 | AXIN2 | 3 | 37.5 | 0 | 0 |
| 17 | 73900001 | 73950000 |  | 2 | 25 | 0 | 0 |
| 17 | 73950001 | 75950000 | SRSF2,SEPT9 | 1 | 12.5 | 0 | 0 |
| 17 | 75950001 | 76100000 |  | 1 | 12.5 | 0 | 0 |
| 17 | 76100001 | 77081990 | CANT1 | 1 | 12.5 | 0 | 0 |
| 17 | 77081991 | 77450000 |  | 1 | 12.5 | 1 | 12.5 |
| 17 | 77450001 | 77500000 |  | 1 | 12.5 | 5 | 62.5 |
| 17 | 77500001 | 78060009 |  | 1 | 12.5 | 1 | 12.5 |
| 17 | 78060010 | 78882714 | RNF213 | 1 | 12.5 | 0 | 0 |
| 17 | 78896417 | 79050000 |  | 1 | 12.5 | 0 | 0 |
| 17 | 79050001 | 79078335 |  | 1 | 12.5 | 1 | 12.5 |
| 17 | 79078336 | 79100000 |  | 1 | 12.5 | 2 | 25 |
| 17 | 79100001 | 79400000 |  | 1 | 12.5 | 1 | 12.5 |
| 17 | 79400001 | 79424524 |  | 1 | 12.5 | 2 | 25 |
| 17 | 79424525 | 79450000 |  | 1 | 12.5 | 1 | 12.5 |
| 17 | 79450001 | 79600000 |  | 2 | 25 | 0 | 0 |
| 17 | 66050001 | 67513084 | PRKAR1A | 3 | 37.5 | 0 | 0 |
| 17 | 80914745 | 80915024 |  | 1 | 12.5 | 0 | 0 |
| 17 | 80915025 | 81052364 |  | 2 | 25 | 0 | 0 |
| 17 | 81052365 | 81150000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 650001 | 745623 |  | 1 | 12.5 | 0 | 0 |
| 18 | 745624 | 750000 |  | 2 | 25 | 0 | 0 |
| 18 | 750001 | 850000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 850001 | 2722662 |  | 1 | 12.5 | 0 | 0 |
| 18 | 2900001 | 2950000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 3090579 | 3250000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 3250001 | 3253286 |  | 2 | 25 | 0 | 0 |
| 18 | 3253287 | 3300000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 5750001 | 5800000 |  | 0 | 0 | 0 | 0 |
| 18 | 6450001 | 6500000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 9050001 | 9195563 |  | 0 | 0 | 0 | 0 |
| 18 | 9195564 | 9256307 |  | 1 | 12.5 | 0 | 0 |
| 18 | 9256308 | 9450000 |  | 0 | 0 | 0 | 0 |
| 18 | 9950001 | 10000000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 11850001 | 11900000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 12000001 | 12050000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 12050001 | 12450000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 12600001 | 12700000 |  | 0 | 0 | 0 | 0 |
| 18 | 18750001 | 19150000 |  | 0 | 0 | 0 | 0 |
| 18 | 21050001 | 21200000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 22000001 | 22100000 |  | 0 | 0 | 0 | 0 |
| 18 | 23250001 | 23350000 |  | 0 | 0 | 0 | 0 |
| 18 | 27750001 | 27800000 |  | 0 | 0 | 0 | 0 |
| 18 | 28750001 | 28850000 |  | 0 | 0 | 0 | 0 |
| 18 | 29100001 | 29150000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 29400001 | 29750000 |  | 0 | 0 | 1 | 12.5 |
| 18 | 29850001 | 29950000 |  | 0 | 0 | 0 | 0 |
| 18 | 29950001 | 30000000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 30150001 | 30250000 |  | 0 | 0 | 0 | 0 |
| 18 | 30538135 | 30554740 |  | 0 | 0 | 1 | 12.5 |
| 18 | 31150001 | 31200000 |  | 0 | 0 | 0 | 0 |
| 18 | 31500001 | 31550000 |  | 0 | 0 | 0 | 0 |
| 18 | 32700001 | 32750000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 32750001 | 32800000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 32800001 | 32950000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 34550001 | 34800000 |  | 0 | 0 | 0 | 0 |
| 18 | 37100001 | 37450000 |  | 0 | 0 | 0 | 0 |
| 18 | 38400001 | 38500000 |  | 0 | 0 | 0 | 0 |
| 18 | 40050001 | 40300000 |  | 0 | 0 | 0 | 0 |
| 18 | 43300001 | 43400000 |  | 0 | 0 | 0 | 0 |
| 18 | 43650001 | 43667399 |  | 1 | 12.5 | 0 | 0 |
| 18 | 43667400 | 43700000 |  | 1 | 12.5 | 1 | 12.5 |
| 18 | 43700001 | 43702640 |  | 0 | 0 | 1 | 12.5 |
| 18 | 44497195 | 44527006 |  | 0 | 0 | 1 | 12.5 |
| 18 | 46550001 | 46650000 |  | 0 | 0 | 0 | 0 |
| 18 | 46850001 | 46950000 |  | 0 | 0 | 0 | 0 |
| 18 | 47116722 | 47150000 |  | 0 | 0 | 1 | 12.5 |
| 18 | 47150001 | 47300000 |  | 0 | 0 | 1 | 12.5 |
| 18 | 47300001 | 47324032 |  | 1 | 12.5 | 1 | 12.5 |
| 18 | 47324033 | 47400000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 50250001 | 50300000 | DCC | 0 | 0 | 0 | 0 |
| 18 | 50950001 | 51100000 | DCC | 0 | 0 | 0 | 0 |
| 18 | 54050001 | 54200000 |  | 0 | 0 | 0 | 0 |
| 18 | 54400001 | 54500000 |  | 0 | 0 | 0 | 0 |
| 18 | 55250001 | 55300000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 55397582 | 55712038 |  | 0 | 0 | 1 | 12.5 |
| 18 | 56550001 | 56600000 |  | 0 | 0 | 0 | 0 |
| 18 | 56950001 | 57000000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 58250001 | 58300000 |  | 0 | 0 | 0 | 0 |
| 18 | 58400001 | 58450000 |  | 0 | 0 | 0 | 0 |
| 18 | 58600001 | 58700000 |  | 0 | 0 | 0 | 0 |
| 18 | 59954591 | 59972858 |  | 1 | 12.5 | 0 | 0 |
| 18 | 61900001 | 61950000 |  | 0 | 0 | 0 | 0 |
| 18 | 62650001 | 62700000 |  | 0 | 0 | 0 | 0 |
| 18 | 62850001 | 62950000 |  | 0 | 0 | 0 | 0 |
| 18 | 63200001 | 63250000 |  | 0 | 0 | 0 | 0 |
| 18 | 63650001 | 63700000 |  | 0 | 0 | 0 | 0 |
| 18 | 63950001 | 64050000 |  | 0 | 0 | 0 | 0 |
| 18 | 64150001 | 64200000 |  | 0 | 0 | 0 | 0 |
| 18 | 64300001 | 64350000 |  | 0 | 0 | 0 | 0 |
| 18 | 72150001 | 72200000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 72900001 | 73000000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 74700001 | 74750000 |  | 1 | 12.5 | 0 | 0 |
| 18 | 75600001 | 75850000 |  | 0 | 0 | 0 | 0 |
| 18 | 76100001 | 76200000 |  | 0 | 0 | 0 | 0 |
| 18 | 76750001 | 77150000 |  | 0 | 0 | 0 | 0 |
| 18 | 77464761 | 77650000 |  | 0 | 0 | 1 | 12.5 |
| 18 | 77650001 | 77750000 |  | 1 | 12.5 | 1 | 12.5 |
| 18 | 77750001 | 77960806 |  | 0 | 0 | 1 | 12.5 |
| 19 | 1 | 107093 |  | 0 | 0 | 1 | 12.5 |
| 19 | 107094 | 282617 |  | 0 | 0 | 2 | 25 |
| 19 | 282618 | 288188 |  | 1 | 12.5 | 2 | 25 |
| 19 | 288189 | 1100000 | FSTL3 | 0 | 0 | 2 | 25 |
| 19 | 1100001 | 1300000 | STK11 | 0 | 0 | 3 | 37.5 |
| 19 | 1300001 | 3950000 | TCF3,GNA11 | 0 | 0 | 2 | 25 |
| 19 | 3950001 | 4000000 |  | 1 | 12.5 | 2 | 25 |
| 19 | 4000001 | 4499621 | MAP2K2,SH3GL1 | 0 | 0 | 2 | 25 |
| 19 | 4499622 | 4511406 |  | 0 | 0 | 1 | 12.5 |
| 19 | 4511407 | 4512870 |  | 1 | 12.5 | 1 | 12.5 |
| 19 | 4512871 | 9250000 | MLLT1,VAV1,CD209,MUC16 | 0 | 0 | 1 | 12.5 |
| 19 | 9250001 | 9300000 |  | 1 | 12.5 | 1 | 12.5 |
| 19 | 9300001 | 10800000 | KEAP1 | 0 | 0 | 1 | 12.5 |
| 19 | 10800001 | 11150000 | DNM2,SMARCA4 | 1 | 12.5 | 1 | 12.5 |
| 19 | 11150001 | 11727480 | SMARCA4 | 0 | 0 | 1 | 12.5 |
| 19 | 11727481 | 12000000 |  | 1 | 12.5 | 1 | 12.5 |
| 19 | 12000001 | 12200000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 12200001 | 12750000 |  | 1 | 12.5 | 1 | 12.5 |
| 19 | 12750001 | 12767577 |  | 2 | 25 | 1 | 12.5 |
| 19 | 12767578 | 13100000 | CALR | 1 | 12.5 | 1 | 12.5 |
| 19 | 13100001 | 15350000 | LYL1,PRKACA,DNAJB1,BRD4 | 0 | 0 | 1 | 12.5 |
| 19 | 15350001 | 15450000 | BRD4 | 0 | 0 | 1 | 12.5 |
| 19 | 15450001 | 15800000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 15800001 | 16050000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 16050001 | 16200000 | TPM4 | 0 | 0 | 1 | 12.5 |
| 19 | 16200001 | 16350000 | TPM4 | 0 | 0 | 1 | 12.5 |
| 19 | 16350001 | 16450000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 19100001 | 19250000 |  | 0 | 0 | 0 | 0 |
| 19 | 19789980 | 20900000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 20900001 | 21150000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 21150001 | 22900000 | ZNF429 | 1 | 12.5 | 0 | 0 |
| 19 | 22900001 | 22950000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 22950001 | 23950000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 23950001 | 24100000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 24100001 | 24118194 |  | 1 | 12.5 | 0 | 0 |
| 19 | 24500001 | 24550000 |  | 5 | 62.5 | 0 | 0 |
| 19 | 28250001 | 28300000 |  | 0 | 0 | 0 | 0 |
| 19 | 33200001 | 33650000 | CEP89 | 0 | 0 | 1 | 12.5 |
| 19 | 33800001 | 33900000 |  | 0 | 0 | 0 | 0 |
| 19 | 38050001 | 38200000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 38200001 | 38400000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 39200001 | 39450000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 39550001 | 39650000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 40800001 | 40950000 |  | 0 | 0 | 0 | 0 |
| 19 | 41950001 | 42365249 |  | 0 | 0 | 0 | 0 |
| 19 | 42365250 | 42400000 | CD79A | 0 | 0 | 1 | 12.5 |
| 19 | 42400001 | 43021054 | CIC | 0 | 0 | 1 | 12.5 |
| 19 | 43023047 | 44700000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 44700001 | 44850000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 44850001 | 45395641 | BCL3,CBLC | 1 | 12.5 | 0 | 0 |
| 19 | 46750001 | 47550000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 47550001 | 47750000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 47750001 | 47950000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 47950001 | 48050000 |  | 0 | 0 | 0 | 0 |
| 19 | 48050001 | 49200000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 49200001 | 49250000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 49250001 | 49400000 |  | 1 | 12.5 | 1 | 12.5 |
| 19 | 49400001 | 49500000 |  | 1 | 12.5 | 1 | 12.5 |
| 19 | 49500001 | 50400000 | BCL2L12 | 0 | 0 | 1 | 12.5 |
| 19 | 50400001 | 50450000 |  | 1 | 12.5 | 1 | 12.5 |
| 19 | 50450001 | 51300000 | POLD1 | 0 | 0 | 1 | 12.5 |
| 19 | 52100001 | 52150000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 52227158 | 52900000 | PPP2R1A | 1 | 12.5 | 0 | 0 |
| 19 | 52900001 | 53000000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 53000001 | 53668575 |  | 1 | 12.5 | 0 | 0 |
| 19 | 53668712 | 53716639 |  | 1 | 12.5 | 0 | 0 |
| 19 | 53727086 | 54080873 | ZNF331 | 1 | 12.5 | 0 | 0 |
| 19 | 55200001 | 55300000 |  | 0 | 0 | 1 | 12.5 |
| 19 | 55300001 | 55350000 |  | 0 | 0 | 3 | 37.5 |
| 19 | 55549439 | 55949906 |  | 0 | 0 | 1 | 12.5 |
| 19 | 55949907 | 56228321 |  | 1 | 12.5 | 1 | 12.5 |
| 19 | 56228322 | 56273461 |  | 0 | 0 | 1 | 12.5 |
| 19 | 56273952 | 57200000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 57200001 | 57300000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 57300001 | 57987905 |  | 1 | 12.5 | 0 | 0 |
| 19 | 57987906 | 58250000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 58250001 | 58450000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 58450001 | 58478028 |  | 1 | 12.5 | 0 | 0 |
| 19 | 58478029 | 58950000 |  | 1 | 12.5 | 0 | 0 |
| 19 | 58950001 | 58989661 |  | 1 | 12.5 | 0 | 0 |
| 19 | 58989662 | 59100000 |  | 0 | 0 | 0 | 0 |
| 20 | 68260 | 123342 |  | 1 | 12.5 | 1 | 12.5 |
| 20 | 123343 | 126050 |  | 0 | 0 | 1 | 12.5 |
| 20 | 126051 | 138328 |  | 1 | 12.5 | 1 | 12.5 |
| 20 | 138329 | 259063 |  | 1 | 12.5 | 0 | 0 |
| 20 | 259806 | 480614 |  | 0 | 0 | 1 | 12.5 |
| 20 | 485838 | 741795 |  | 0 | 0 | 1 | 12.5 |
| 20 | 3250001 | 3350000 |  | 0 | 0 | 0 | 0 |
| 20 | 4000001 | 4050000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 4500001 | 4550000 |  | 0 | 0 | 0 | 0 |
| 20 | 9150001 | 9300000 |  | 0 | 0 | 0 | 0 |
| 20 | 10500001 | 10550000 |  | 0 | 0 | 0 | 0 |
| 20 | 11600001 | 11700000 |  | 0 | 0 | 0 | 0 |
| 20 | 11700001 | 11750000 |  | 0 | 0 | 0 | 0 |
| 20 | 11800001 | 11900000 |  | 0 | 0 | 0 | 0 |
| 20 | 14200001 | 14300000 |  | 0 | 0 | 0 | 0 |
| 20 | 14500001 | 14550000 |  | 0 | 0 | 0 | 0 |
| 20 | 14550001 | 14600000 |  | 0 | 0 | 0 | 0 |
| 20 | 14700001 | 14800000 |  | 0 | 0 | 1 | 12.5 |
| 20 | 16250001 | 16410496 |  | 0 | 0 | 0 | 0 |
| 20 | 16410497 | 16450000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 16450001 | 16478368 |  | 1 | 12.5 | 0 | 0 |
| 20 | 17100001 | 17250000 |  | 0 | 0 | 0 | 0 |
| 20 | 17550001 | 17600000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 17600001 | 17650000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 18050001 | 18150000 |  | 0 | 0 | 0 | 0 |
| 20 | 20150001 | 20250000 |  | 0 | 0 | 0 | 0 |
| 20 | 20450001 | 20500000 |  | 0 | 0 | 0 | 0 |
| 20 | 21300001 | 21500000 |  | 0 | 0 | 0 | 0 |
| 20 | 21500001 | 21550000 |  | 0 | 0 | 0 | 0 |
| 20 | 21550001 | 21900000 |  | 0 | 0 | 0 | 0 |
| 20 | 21900001 | 22100000 |  | 0 | 0 | 0 | 0 |
| 20 | 22100001 | 22350000 |  | 0 | 0 | 0 | 0 |
| 20 | 22700001 | 22750000 |  | 0 | 0 | 0 | 0 |
| 20 | 23065528 | 23350458 |  | 1 | 12.5 | 0 | 0 |
| 20 | 23600001 | 23650000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 24900001 | 25150000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 25150001 | 25250000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 25250001 | 25300000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 29800001 | 29850000 |  | 2 | 25 | 0 | 0 |
| 20 | 31486247 | 31891933 |  | 0 | 0 | 1 | 12.5 |
| 20 | 32900001 | 33100000 |  | 0 | 0 | 1 | 12.5 |
| 20 | 33850001 | 33900000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 34600001 | 34650000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 34650001 | 34750000 |  | 0 | 0 | 0 | 0 |
| 20 | 35150001 | 35850000 |  | 0 | 0 | 1 | 12.5 |
| 20 | 35850001 | 36000000 | SRC | 0 | 0 | 0 | 0 |
| 20 | 37200001 | 37300000 |  | 0 | 0 | 0 | 0 |
| 20 | 39750001 | 39800000 | TOP1,PLCG1 | 1 | 12.5 | 0 | 0 |
| 20 | 42250001 | 42350000 |  | 0 | 0 | 0 | 0 |
| 20 | 43050001 | 43150000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 43500001 | 43550000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 43950001 | 44000000 | SDC4 | 1 | 12.5 | 0 | 0 |
| 20 | 44350941 | 44354322 |  | 1 | 12.5 | 0 | 0 |
| 20 | 44500001 | 44550000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 45150001 | 45200000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 47632740 | 47635560 |  | 1 | 12.5 | 0 | 0 |
| 20 | 50000001 | 50050000 | NFATC2 | 0 | 0 | 0 | 0 |
| 20 | 50200001 | 50850000 | SALL4 | 0 | 0 | 1 | 12.5 |
| 20 | 50950001 | 51050000 |  | 0 | 0 | 0 | 0 |
| 20 | 51150001 | 51200000 |  | 0 | 0 | 0 | 0 |
| 20 | 52100001 | 52500000 |  | 0 | 0 | 1 | 12.5 |
| 20 | 53950001 | 54000000 |  | 0 | 0 | 0 | 0 |
| 20 | 57274165 | 57450000 | GNAS | 0 | 0 | 1 | 12.5 |
| 20 | 57450001 | 57475147 | GNAS | 1 | 12.5 | 1 | 12.5 |
| 20 | 57475148 | 57500000 | GNAS | 1 | 12.5 | 0 | 0 |
| 20 | 57500001 | 57550000 |  | 0 | 0 | 0 | 0 |
| 20 | 57550001 | 57600000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 57600001 | 57700000 |  | 0 | 0 | 0 | 0 |
| 20 | 58475714 | 59053077 |  | 0 | 0 | 0 | 0 |
| 20 | 59053078 | 59197355 |  | 0 | 0 | 1 | 12.5 |
| 20 | 59197356 | 60318773 |  | 0 | 0 | 1 | 12.5 |
| 20 | 60850001 | 60864196 |  | 1 | 12.5 | 0 | 0 |
| 20 | 60864197 | 60900000 |  | 1 | 12.5 | 1 | 12.5 |
| 20 | 60900001 | 62150000 |  | 0 | 0 | 1 | 12.5 |
| 20 | 62150001 | 62500863 | PTK6 | 1 | 12.5 | 1 | 12.5 |
| 20 | 62500864 | 62550000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 62550001 | 62600000 |  | 1 | 12.5 | 0 | 0 |
| 20 | 62904595 | 62959183 |  | 0 | 0 | 1 | 12.5 |
| 21 | 1 | 9825763 |  | 5 | 62.5 | 0 | 0 |
| 21 | 9825764 | 9909136 |  | 5 | 62.5 | 2 | 25 |
| 21 | 9909137 | 9909146 |  | 5 | 62.5 | 1 | 12.5 |
| 21 | 9909147 | 10700000 |  | 6 | 75 | 1 | 12.5 |
| 21 | 10700001 | 10750000 |  | 7 | 87.5 | 1 | 12.5 |
| 21 | 10750001 | 10800000 |  | 7 | 87.5 | 1 | 12.5 |
| 21 | 10800001 | 10850000 |  | 7 | 87.5 | 1 | 12.5 |
| 21 | 10850001 | 11098768 |  | 3 | 37.5 | 1 | 12.5 |
| 21 | 11098769 | 11100000 |  | 3 | 37.5 | 0 | 0 |
| 21 | 11100001 | 11150000 |  | 7 | 87.5 | 0 | 0 |
| 21 | 11150001 | 14757355 |  | 1 | 12.5 | 0 | 0 |
| 21 | 14757363 | 15450000 |  | 0 | 0 | 1 | 12.5 |
| 21 | 15450001 | 15525011 |  | 0 | 0 | 1 | 12.5 |
| 21 | 15525012 | 15550000 |  | 0 | 0 | 0 | 0 |
| 21 | 15600001 | 15650000 |  | 0 | 0 | 0 | 0 |
| 21 | 15750001 | 15800000 |  | 0 | 0 | 0 | 0 |
| 21 | 15800001 | 15850000 |  | 0 | 0 | 0 | 0 |
| 21 | 17050001 | 17135165 |  | 0 | 0 | 0 | 0 |
| 21 | 17135166 | 17150000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 17150001 | 17198712 |  | 1 | 12.5 | 0 | 0 |
| 21 | 17350001 | 17400000 |  | 0 | 0 | 0 | 0 |
| 21 | 17550001 | 17600000 |  | 0 | 0 | 0 | 0 |
| 21 | 18850001 | 18950000 |  | 0 | 0 | 0 | 0 |
| 21 | 19900001 | 20000000 |  | 0 | 0 | 0 | 0 |
| 21 | 20200001 | 20250000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 21650001 | 21700000 |  | 0 | 0 | 0 | 0 |
| 21 | 22550001 | 22800000 |  | 0 | 0 | 0 | 0 |
| 21 | 23050001 | 23100000 |  | 0 | 0 | 0 | 0 |
| 21 | 24100001 | 24150000 |  | 0 | 0 | 0 | 0 |
| 21 | 24450001 | 24500000 |  | 0 | 0 | 0 | 0 |
| 21 | 27150001 | 27250000 |  | 0 | 0 | 1 | 12.5 |
| 21 | 27250001 | 27300000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 27600001 | 27650000 |  | 0 | 0 | 0 | 0 |
| 21 | 28100001 | 28150000 |  | 0 | 0 | 0 | 0 |
| 21 | 28250001 | 28300000 |  | 0 | 0 | 0 | 0 |
| 21 | 30433694 | 30434880 |  | 1 | 12.5 | 0 | 0 |
| 21 | 30959661 | 31300000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 31300001 | 31350000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 31350001 | 31654428 |  | 1 | 12.5 | 0 | 0 |
| 21 | 31654429 | 32100000 |  | 1 | 12.5 | 1 | 12.5 |
| 21 | 32100001 | 32250000 |  | 1 | 12.5 | 1 | 12.5 |
| 21 | 32250001 | 32433561 |  | 1 | 12.5 | 1 | 12.5 |
| 21 | 32433562 | 32491064 |  | 0 | 0 | 1 | 12.5 |
| 21 | 34900001 | 34950000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 35050001 | 35100000 |  | 0 | 0 | 0 | 0 |
| 21 | 35650001 | 35700000 |  | 0 | 0 | 0 | 0 |
| 21 | 35750001 | 35800000 |  | 0 | 0 | 0 | 0 |
| 21 | 37400001 | 37450000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 37900001 | 38000000 |  | 0 | 0 | 0 | 0 |
| 21 | 38250001 | 38400000 |  | 0 | 0 | 0 | 0 |
| 21 | 38550001 | 38600000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 39650001 | 39700000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 40578008 | 40585531 |  | 1 | 12.5 | 0 | 0 |
| 21 | 41700001 | 41750000 |  | 0 | 0 | 0 | 0 |
| 21 | 42250001 | 42350000 |  | 0 | 0 | 0 | 0 |
| 21 | 42550001 | 42600000 |  | 0 | 0 | 0 | 0 |
| 21 | 43700001 | 43750000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 43950001 | 44000000 |  | 0 | 0 | 0 | 0 |
| 21 | 44950001 | 45150000 |  | 0 | 0 | 0 | 0 |
| 21 | 45150001 | 45173412 |  | 1 | 12.5 | 0 | 0 |
| 21 | 45173413 | 45175926 |  | 2 | 25 | 0 | 0 |
| 21 | 45175927 | 45200000 |  | 1 | 12.5 | 0 | 0 |
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| 21 | 45550001 | 45600000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 45600001 | 45700000 |  | 0 | 0 | 0 | 0 |
| 21 | 45700001 | 45706775 |  | 1 | 12.5 | 2 | 25 |
| 21 | 45706776 | 45750000 |  | 1 | 12.5 | 3 | 37.5 |
| 21 | 45750001 | 45959291 |  | 0 | 0 | 1 | 12.5 |
| 21 | 45959515 | 46067028 |  | 1 | 12.5 | 0 | 0 |
| 21 | 46067187 | 46150000 |  | 0 | 0 | 1 | 12.5 |
| 21 | 46150001 | 46250000 |  | 1 | 12.5 | 1 | 12.5 |
| 21 | 46250001 | 46350000 |  | 1 | 12.5 | 1 | 12.5 |
| 21 | 46350001 | 46554738 |  | 0 | 0 | 1 | 12.5 |
| 21 | 46564522 | 46698179 |  | 1 | 12.5 | 0 | 0 |
| 21 | 46702268 | 46850000 |  | 0 | 0 | 1 | 12.5 |
| 21 | 46850001 | 46900000 |  | 1 | 12.5 | 1 | 12.5 |
| 21 | 46900001 | 46950000 |  | 1 | 12.5 | 1 | 12.5 |
| 21 | 46950001 | 47150000 |  | 0 | 0 | 1 | 12.5 |
| 21 | 47150001 | 47350000 |  | 0 | 0 | 1 | 12.5 |
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| 21 | 47400001 | 47450000 |  | 2 | 25 | 1 | 12.5 |
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| 21 | 47636479 | 47650000 |  | 1 | 12.5 | 0 | 0 |
| 21 | 47700001 | 47750000 |  | 0 | 0 | 0 | 0 |
| 21 | 47858041 | 47983850 |  | 1 | 12.5 | 0 | 0 |
| 21 | 47985554 | 48083488 |  | 1 | 12.5 | 0 | 0 |
| 22 | 16157526 | 17054051 |  | 0 | 0 | 1 | 12.5 |
| 22 | 17073039 | 17250000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 17250001 | 17300000 |  | 0 | 0 | 5 | 62.5 |
| 22 | 17300001 | 17650000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 17650001 | 18200000 |  | 0 | 0 | 2 | 25 |
| 22 | 18200001 | 18232844 |  | 0 | 0 | 1 | 12.5 |
| 22 | 18232845 | 18324806 |  | 0 | 0 | 2 | 25 |
| 22 | 18324807 | 18350000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 18350001 | 18400000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 18400001 | 19502256 | CLTCL1 | 0 | 0 | 1 | 12.5 |
| 22 | 19502257 | 19700000 |  | 0 | 0 | 2 | 25 |
| 22 | 19700001 | 19750000 | SEPT5 | 0 | 0 | 3 | 37.5 |
| 22 | 19750001 | 20394668 | DGCR8 | 0 | 0 | 2 | 25 |
| 22 | 20394669 | 20850000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 20850001 | 20950000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 20950001 | 22000000 | LZTR1 | 0 | 0 | 1 | 12.5 |
| 22 | 22000001 | 22200000 | MAPK1 | 0 | 0 | 1 | 12.5 |
| 22 | 22200001 | 22350000 | MAPK1 | 0 | 0 | 1 | 12.5 |
| 22 | 22350001 | 22400000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 22400001 | 22673091 |  | 0 | 0 | 1 | 12.5 |
| 22 | 22673092 | 23165524 |  | 1 | 12.5 | 1 | 12.5 |
| 22 | 23165525 | 23165740 |  | 0 | 0 | 1 | 12.5 |
| 22 | 23165741 | 23200000 |  | 0 | 0 | 2 | 25 |
| 22 | 23200001 | 23300000 |  | 1 | 12.5 | 2 | 25 |
| 22 | 23300001 | 24200000 | BCR,SMARCB1 | 0 | 0 | 2 | 25 |
| 22 | 24200001 | 24250000 |  | 1 | 12.5 | 2 | 25 |
| 22 | 24250001 | 24500000 |  | 0 | 0 | 2 | 25 |
| 22 | 24500001 | 24600000 |  | 0 | 0 | 2 | 25 |
| 22 | 24600001 | 24640716 |  | 0 | 0 | 2 | 25 |
| 22 | 24640717 | 24750000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 24750001 | 24800000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 24800001 | 25400000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 25400001 | 25450000 |  | 0 | 0 | 6 | 75 |
| 22 | 25450001 | 25800000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 25800001 | 25850000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 25850001 | 25950000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 25950001 | 26050000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 26050001 | 28200000 | MN1 | 0 | 0 | 1 | 12.5 |
| 22 | 28200001 | 28250000 |  | 0 | 0 | 6 | 75 |
| 22 | 28250001 | 28850000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 28850001 | 28900000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 28900001 | 29050000 |  | 0 | 0 | 2 | 25 |
| 22 | 29050001 | 29300000 | CHEK2,ZNRF3 | 0 | 0 | 2 | 25 |
| 22 | 29300001 | 29350000 | ZNRF3 | 0 | 0 | 1 | 12.5 |
| 22 | 29350001 | 29700000 | ZNRF3,EWSR1 | 0 | 0 | 1 | 12.5 |
| 22 | 29700001 | 29800000 |  | 1 | 12.5 | 1 | 12.5 |
| 22 | 29800001 | 29850000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 29850001 | 30200000 | NF2 | 0 | 0 | 1 | 12.5 |
| 22 | 30200001 | 30250000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 30250001 | 30300000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 30300001 | 31000000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 31000001 | 31050000 |  | 1 | 12.5 | 1 | 12.5 |
| 22 | 31050001 | 31522060 |  | 0 | 0 | 1 | 12.5 |
| 22 | 31522356 | 31532992 |  | 0 | 0 | 1 | 12.5 |
| 22 | 31533742 | 31674399 |  | 0 | 0 | 1 | 12.5 |
| 22 | 31679129 | 31750000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 31750001 | 31900000 |  | 0 | 0 | 2 | 25 |
| 22 | 31900001 | 31998340 |  | 0 | 0 | 2 | 25 |
| 22 | 31998341 | 31998519 |  | 0 | 0 | 1 | 12.5 |
| 22 | 31998520 | 32000000 |  | 0 | 0 | 2 | 25 |
| 22 | 32000001 | 32300000 |  | 0 | 0 | 2 | 25 |
| 22 | 32300001 | 32400000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 32400001 | 32450000 |  | 0 | 0 | 2 | 25 |
| 22 | 32450001 | 32700000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 32700001 | 32800000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 32800001 | 33050000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 33050001 | 33100000 |  | 0 | 0 | 6 | 75 |
| 22 | 33100001 | 33250000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 33250001 | 33400000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 33400001 | 33550000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 33550001 | 33650000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 33650001 | 34450000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 34450001 | 34500000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 34500001 | 35350000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 35350001 | 35450000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 35450001 | 35717822 | ISX | 0 | 0 | 1 | 12.5 |
| 22 | 36650001 | 36700000 | MYH9 | 1 | 12.5 | 0 | 0 |
| 22 | 38000001 | 38150000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 38150001 | 38200000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 38200001 | 38250000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 38850001 | 38900000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 38900001 | 39350000 |  | 0 | 0 | 0 | 0 |
| 22 | 39548330 | 39714630 | PDGFB | 1 | 12.5 | 0 | 0 |
| 22 | 39900001 | 39950000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 40350001 | 40500000 |  | 0 | 0 | 0 | 0 |
| 22 | 40550001 | 40600000 |  | 0 | 0 | 0 | 0 |
| 22 | 40600001 | 40650000 |  | 0 | 0 | 0 | 0 |
| 22 | 40650001 | 40750000 |  | 0 | 0 | 0 | 0 |
| 22 | 40900001 | 41600000 | MKL1,EP300 | 0 | 0 | 1 | 12.5 |
| 22 | 41723165 | 41750000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 41750001 | 41800000 |  | 2 | 25 | 0 | 0 |
| 22 | 41800001 | 41900000 |  | 2 | 25 | 0 | 0 |
| 22 | 41900001 | 41950000 |  | 2 | 25 | 0 | 0 |
| 22 | 41950001 | 41969878 |  | 2 | 25 | 0 | 0 |
| 22 | 41969879 | 42000000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 42000001 | 42100000 |  | 0 | 0 | 0 | 0 |
| 22 | 42100001 | 42150000 |  | 0 | 0 | 1 | 12.5 |
| 22 | 42150001 | 42250000 |  | 0 | 0 | 0 | 0 |
| 22 | 43150001 | 43250000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 43250001 | 43300000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 43900001 | 44050000 |  | 0 | 0 | 0 | 0 |
| 22 | 46600001 | 46650000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 46750001 | 46850000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 47450001 | 47600000 |  | 0 | 0 | 0 | 0 |
| 22 | 47600001 | 47650000 |  | 0 | 0 | 0 | 0 |
| 22 | 48600001 | 48650000 |  | 0 | 0 | 0 | 0 |
| 22 | 50250001 | 50304120 |  | 0 | 0 | 0 | 0 |
| 22 | 50304121 | 50313048 |  | 1 | 12.5 | 0 | 0 |
| 22 | 50313049 | 50350000 |  | 0 | 0 | 0 | 0 |
| 22 | 50609213 | 50650000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 50650001 | 50700000 |  | 2 | 25 | 0 | 0 |
| 22 | 50700001 | 50750000 |  | 2 | 25 | 2 | 25 |
| 22 | 50750001 | 50850000 |  | 1 | 12.5 | 1 | 12.5 |
| 22 | 50850001 | 50885967 |  | 2 | 25 | 0 | 0 |
| 22 | 50885968 | 50950000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 50950001 | 51000000 |  | 1 | 12.5 | 0 | 0 |
| 22 | 51000001 | 51064405 |  | 1 | 12.5 | 0 | 0 |
| 22 | 51064406 | 51150000 |  | 2 | 25 | 0 | 0 |
| 22 | 51150001 | 51178564 |  | 2 | 25 | 0 | 0 |
| 22 | 51178565 | 51304566 |  | 1 | 12.5 | 0 | 0 |