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| **Table S6: List of predicted genes targeted for target capture sequencing and probe coverage by gene.** |
| **Gene ID** | **Gene name** | **Targeted region** | **No. of target regions within gene** |
| NM\_006040 | *HS3ST4* | chr6:23237568-23638888 | 24 |
| NM\_001012981 | *ZKSCAN2* | chr6:23976533-23997352 | 25 |
| NM\_001169 | *AQP8* | chr6:24003232-24012663 | 9 |
| NM\_016309 | *LCMT1* | chr6:24046309-24086693 | 48 |
| NM\_001076019 | *C8H9orf30* | chr6:24057127-24060285 | n/a |
| NM\_001016739 | *c9orf30* | chr6:24057154-24059998 | n/a |
| NM\_018054 | *ARHGAP17* | chr6:24099958-24196585 | 101 |
| NM\_052944 | *SLC5A11* | chr6:24201588-24237597 | 45 |
| NM\_014494 | *TNRC6A* | chr6:24265253-24373846 | 114 |
| NM\_006910 | *RBBP6* | chr6:24498008-24531951 | 30 |
| NM\_006539 | *CACNG3* | chr6:24644639-24732130 | 97 |
| NM\_002738 | *PRKCB* | chr6:24760568-25086234 | 389 |
| NM\_022097 | *CHP2* | chr6:25148807-25153168 | 4 |
| NM\_033266 | *ERN2* | chr6:25174871-25190051 | 12 |
| NM\_005030 | *PLK1* | chr6:25188004-25201121 | 11 |
| NM\_032486 | *DCTN5* | chr6:25208311-25234185 | 26 |
| NM\_024675 | *PALB2* | chr6:25232485-25262468 | 31 |
| NM\_005003 | *NDUFAB1* | chr6:25265061-25276929 | 18 |
| NM\_019116 | *UBFD1* | chr6:25282922-25300748 | 12 |
| NR\_003501 | *EARS2* | chr6:25298942-25322502 | 30 |
| NM\_015044 | *GGA2* | chr6:25340027-25369230 | 24 |
| NM\_153603 | *COG7* | chr6:25378018-25460052 | 73 |
| NM\_000336 | *SCNN1B* | chr6:25462920-25487946 | 20 |
| NM\_001039 | *SCNN1G* | chr6:25593643-25618204 | 27 |
| NM\_020718 | *USP31* | chr6:25649946-25722762 | 78 |
| NM\_006043 | *HS3ST2* | chr6:25842382-25935014 | 107 |
| NM\_144672 | *OTOA* | chr6:26134411-26197802 | 78 |
| NM\_001077180 | *METTL9* | chr6:26208563-26245138 | 33 |
| NM\_030691 | *Igsf6* | chr6:26216896-26223970 | n/a |
| NM\_001802 | *CDR2* | chr6:26324472-26345913 | 19 |
| NM\_018119 | *POLR3E* | chr6:26356857-26387924 | 29 |
| NM\_013302 | *EEF2K* | chr6:26396174-26463173 | 69 |
| NM\_173615 | *VWA3A* | chr6:26500885-26562226 | 58 |
| NM\_001164579 | *C16orf52* | chr6:26568920-26637167 | 71 |
| NM\_173806 | *PDZD9* | chr6:26642205-26656344 | 13 |
| NM\_003366 | *UQCRC2* | chr6:26655187-26682978 | 24 |
| NM\_026458 | *Abca14* | chr6:26703127-26835863 | 63 |
| NR\_024051 | *Abca16* | chr6:26887834-27195268 | 155 |
| NM\_001888 | *CRYM* | chr6:27213760-27232848 | 21 |
| NM\_145865 | *ANKS4B* | chr6:27236043-27246352 | 9 |
| NM\_003460 | *ZP2* | chr6:27256838-27269770 | 13 |
| NM\_020422 | *TMEM159* | chr6:27282092-27294013 | 13 |
| NM\_017539 | *DNAH3* | chr6:27304543-27466095 | 157 |
| NM\_020424 | *LYRM1* | chr6:27467260-27489430 | 20 |
| NM\_173475 | *DCUN1D3* | chr6:27487425-27525621 | 32 |
| NM\_030941 | *LOC81691* | chr6:27532246-27578425 | 35 |
| NM\_001142725 | *ERI2* | chr6:27576410-27587378 | 8 |
| NM\_005622 | *ACSM3* | chr6:27584660-27605071 | 20 |
| NM\_017736 | *THUMPD1* | chr6:27633650-27644499 | 8 |
| NM\_178414 | *Acsm4* | chr6:27643513-27671891 | 33 |
| NM\_001087266 | *nono* | chr6:27683924-27687135 | 1 |
| NR\_003277 | *LOC728643* | chr6:27687755-27690305 | 2 |
| NM\_001101952 | *ACSM2A* | chr6:27892180-27921107 | 22 |
| NM\_017888 | *ACSM5* | chr6:27934924-27967023 | 24 |
| NM\_174924 | *PDILT* | chr6:27970602-28014520 | 45 |
| NM\_003361 | *UMOD* | chr6:28018265-28035478 | 22 |
| NM\_001502 | *GP2* | chr6:28038975-28055408 | 21 |
| NM\_001002911 | *GPR139* | chr6:28276437-28318406 | 48 |
| NM\_016235 | *GPRC5B* | chr6:28439878-28462832 | 24 |
| NM\_153208 | *IQCK* | chr6:28462315-28593455 | 140 |
| NM\_001012991 | *C16orf88* | chr6:28594515-28609132 | 12 |
| NM\_020314 | *C16orf62* | chr6:28621208-28731692 | 130 |
| NM\_014711 | *CP110* | chr6:28739342-28767554 | 21 |
| NM\_016641 | *GDE1* | chr6:28767489-28787280 | 23 |
| NM\_001105248 | *TMC5* | chr6:28792188-28836777 | 49 |
| NM\_001160364 | *TMC7* | chr6:28898390-28938484 | 52 |
| NM\_016138 | *COQ7* | chr6:28939812-28950941 | 9 |
| NM\_001033380 | *Itpripl2* | chr6:28975917-28984544 | 9 |
| NM\_016524 | *SYT17* | chr6:29031381-29103760 | 82 |
| NR\_024436 | *LOC728276* | chr6:29109495-29127642 | 18 |
| NM\_015092 | *SMG1* | chr6:29257813-29337314 | 74 |
| NM\_015161 | *ARL6IP1* | chr6:29337969-29348302 | 9 |
| NM\_001019 | *RPS15A* | chr6:29351515-29360443 | 5 |