

Supplementary Table S6. A list of 520 differentially expressed genes that are significantly down- or up-regulated in 4-1BB^{pos} PD-1^{high} CD39⁺ TILs, compared to 4-1BB^{neg} PD-1^{high} CD39⁺ TILs

Significantly down-regulated genes in 4-1BB ^{pos} PD-1 ^{high} CD39 ⁺ TILs (vs. 4-1BB ^{neg} PD-1 ^{high} CD39 ⁺ TILs)							Significantly up-regulated genes in 4-1BB ^{pos} PD-1 ^{high} CD39 ⁺ TILs (vs. 4-1BB ^{neg} PD-1 ^{high} CD39 ⁺ TILs)						
4-1BBneg cells			4-1BBpos cells			4-1BBneg cells			4-1BBpos cells				
Gene name	Pt 1	Pt 2	Pt 3	Pt 1	Pt 2	Pt 3	Gene name	Pt 1	Pt 2	Pt 3	Pt 1	Pt 2	Pt 3
FOSB	9.92496 5	9.80436 9	9.61180 4	9.76085 4	9.55460 3	8.47625 3	SPC25	2.82975 9	2.53201 8	1.83699 5	3.05751 5	3.79646 6	3.66172 7
PTGER4	7.26693 3	7.28598 5	7.19060 1	6.84482 4	6.61319 8	5.90088 2	GMNN	4.55416 7	5.05351 8	3.79176 5	4.95671 3	5.63164 7	4.93921 3
ABI3	6.24122 1	6.45779 3	6.27735 5	5.85419 6	5.81360 6	5.18958 2	ING3	4.78602 3	5.23034 6	4.49070 5	5.22964 8	5.62759 7	5.34212 1
LITAF	9.06689 4	9.17420 4	8.99478 9	8.79217 8	8.74965 7	8.08497 5	KIF14	4.58732 3	4.59859 6	4.62494 7	5.12658 3	5.70643 7	5.26241 4
ZNF10	4.90912 8	4.98940 7	4.74775 8	4.33282 8	4.40018 2	3.50431 8	CENPE	6.54529 5	6.55450 7	6.47696 9	6.84945 5	7.22848 3	6.96595 2
TNFAIP3	11.4201 9	11.2484 4	11.4068 2	11.1877 9	10.9900 9	10.5350 7	CDC47	3.80074 9	4.20586 9	3.92787 5	4.43496 3	5.46931 7	4.40814 8
NAPA	5.94770 1	5.79864 8	5.64849 8	5.48906 2	5.42803 1	4.78041 1	MMS22L	5.34681 1	5.63601 1	5.38552 2	5.84030 4	6.34003 9	5.76094 1
EMB	8.62816 7	8.15243 8	7.76648 1	7.69842 4	7.62737 8	7.80079 1	PRMT1	4.08233 6	4.27920 3	4.19938 6	4.57576 3	5.65568 6	4.98628 3
VPS13C	9.62964 1	8.95021 3	8.57859 8	8.82546 7	8.29244 7	8.60569 8	TTK	3.68300 1	4.14177 4	3.79176 5	4.13460 5	5.12352 9	4.64448 5
UGP2	7.45828 7	7.06878 8	6.66013 1	6.73649 1	6.21516 1	6.47283 5	FANCA	5.20449 5	5.76925 2	5.41362 2	5.93048 7	6.56957 6	6.50782 1
SOS1	7.29228 7	6.85757 3	6.61647 4	6.56126 5	6.22322 6	6.43213 2	ARHGAP3	2.21785 6	3.11614 9	2.22306 7	2.95810 3	4.21843 6	4.20711 7
CD48	6.38484 9	6.46828 4	5.96563 2	5.97778 5	5.23941 6	5.59298 2	RFC5	4.01082 7	4.71769 7	3.97891 6	4.65196 5	5.40929 9	5.05096 9
CD53	8.95783 2	8.74710 9	8.47961 9	8.46935 6	7.89982 5	8.14250 7	DDX11	4.50296 4	4.83583 5	4.30316 7	5.0401 9	5.94296 9	5.26241 4
PIP4K2A	8.72816 4	8.45371 5	8.09618 2	8.35757 5	7.54932 3	7.80548 6	DNA2	4.29794 7	4.55988 1	4.00377 5	4.68343 1	5.33680 4	4.87634 6
EPB41	7.95865 4	7.72926 7	7.43065 2	7.57383 2	6.92318 7	7.08038 7	CRTAM	9.15660 1	9.27363 1	7.23851 5	9.41608 8	9.71621 4	8.33727 8
HAUS3	7.4538 5	6.98724 4	6.80683 2	6.71635 5	6.34896 9	6.40268 9	FBN1	1.59151 5	-0.3006 -	- 2.76587	2.37406 9	2.19911 1	1.03207 1
ELF1	9.49581 5	9.09856 8	9.06880 8	8.83717 2	8.48756 6	8.48212 6	CHST3	- 0.27024	- 2.55314	- 6.64386	0.16184 4	1.54882 8	0.22999 7
TBX21	6.61125 2	6.27566 2	6.11571 3	5.97778 5	5.35558 7	5.46589 7	H2BC7	7.06108 7	6.82936 5	6.76563 9	8.16667 7	7.20966 1	7.01703 7
BRWD3	7.30479 9	6.92767 1	6.61445 8	6.56126 1	6.26550 1	6.11569 7	H2BC9	6.81041 1	6.35412 6	6.40647 7	7.57523 7	7.15729 7	6.50782 1
UBE3B	6.11618 1	5.94854 5	5.60854 1	5.61407 1	5.37108 9	5.22365 4	H2AC11	7.32459 5	7.46950 9	6.85714 9	8.36325 3	7.73566 2	7.52492 3
RBL2	7.64503 5	7.23927 5	6.85031 2	7.07183 2	6.45323 2	6.47283 5	RACGAP1	6.36586 8	6.26366 6	6.02451 6	6.99449 4	6.65156 1	6.38523 4
MGA	7.76940 6	7.41496 4	6.87578 5	7.12053 8	6.66346 6	6.61867 6	HI-5	5.22570 6	5.33723 3	5.00947 6	6.69849 3	5.82778 2	5.84725 1
DIP2A	7.65288 1	7.59209 2	6.78727 8	7.34373 6	6.71013 6	6.57973 8	H3C7	3.48612 8	3.77004 5	3.38182 3	5.38445 2	4.41903 2	4.45670 5
SYNE2	10.8865 6	10.7483 9	10.2723 9	10.5582 9	10.2786 1	9.65671 3	H2AC14	5.56222 2	5.69526 5	5.48156 2	6.84017 8	6.31414 4	6.02522 2
PYHIN1	7.73098 3	7.40544 1	6.99990 2	7.44665 4	6.72156 4	6.33676 3	KATNB1	3.52086 3	3.71824 5	3.52608 1	5.11124 1	4.41903 2	3.89104 2
NEK9	6.85533 3	6.39043 6	6.06936 4	6.34546 5	5.98152 2	5.53083 9	AURKB	4.90912 8	4.18057 1	4.36203 1	5.72910 7	5.75175 2	4.94603 2
ARIH1	8.57853 7	8.19884 9	8.13326 7	7.86777 1	7.96541 2	7.60142 2	THOC6	2.88413 1	1.82311 1	1.94362 1	3.83172 8	4.03509 5	2.94743 5
WDR26	9.43849 3	8.88563 5	8.65610 5	8.65804 6	8.48979 8	8.10415 5	H4C13	2.13058 7	1.53451 3	1.59672 3	3.58749 6	3.10744 3	2.54205 1
HECA	7.50023 3	6.85757 3	6.82960 5	6.60573 5	6.38775 8	6.25675 1	UBE2C	5.01037 9	4.55003 7	4.94676 7	6.20436 9	6.20704 9	5.44197 7
BICRAL	6.77487 8	6.37379 1	6.29004 2	6.03582 3	6.00666 4	5.83628 2	CDC25C	2.30014 6	1.61225 1	1.89129 3	3.71477 4	3.78197 7	2.89201 4
SDCBP	8.58982 8	7.87929 4	7.57553 4	7.77222 8	7.51578 5	7.39514 9	MTFR2	3.96110 5	3.73571 9	3.38182 3	4.65196 5	5.20181 2	4.49440 8
ALG13	7.17451 2	6.49674 7	6.15508 1	6.27835 9	5.95915 8	6.03804 2	LIG1	5.36604 3	5.34863 5	5.05180 9	5.86795 6	6.06766 6	5.56224 5
ELOVL5	8.61917 8	7.55443 5	7.60730 5	7.72764 6	7.30141 3	7.15732 4	POLQ	5.47634 1	5.21796 5	5.21504 8	6.19348 2	6.53974 4	5.95258 6

APOL3	6.66658 9	6.74774 8	6.80859 7	6.51537	5.73680 4	6.38272 3	SMS	5.12770 1	4.95997 3	5.91082 8	5.53578 3	5.75175 2	6.50089 1
N4BP1	8.46606 5	8.27626 9	8.96740 6	8.23905 1	7.62940 3	8.43745 9	SAE1	6.29237 9	6.21465 9	6.85031 2	6.92599 3	6.88301 3	7.25391 2
TENT4B	7.25408 7	7.10957 1	7.69195 8	6.41272	6.25766 8	7.13660 9	DHFR	4.27777 9	3.93039 9	4.86771 5	5.17903 6	5.01620 3	5.67735 7
RDH13	4.37591 1	4.36029 1	4.74038 1	3.65253 9	3.43830 5	4.19571 1	CENPH	3.37660 5	3.14259 1	4.14455 4	4.49530 5	4.26084 9	4.97299
FAM177A 1	7.08739 6	7.25450 9	7.71660 3	6.78806	6.60499	7.04906	AHCY	2.93652 9	2.40671 4	3.57666 4	3.93990 8	4.08316 8	4.26278 9
MPRIP	6.78205 5	6.75847 4	7.19330 5	6.51537	6.19068 8	6.63985 3	GPT2	- 0.27024	- 1.59611	1.30827 3	2.09088 6	2.10911 9	2.46818 1
RBM38	6.13872	6.79643 8	7.29373 5	6.02358 1	6.00666 4	6.78192 4	TFDP1	6.95395 3	6.67262 1	7.51629 4	7.64614 9	7.63948 4	7.76845 6
ATP1B3	8.33800 4	8.48956 1	9.06807 1	7.62334 6	7.81697 1	8.69239 8	ATPSMC1	4.84203 7	4.47918 5	5.52514 2	5.65697 1	5.59895 2	5.96270 9
RALGAPA 1	7.74940 7	7.81498 8	8.17763 8	7.22045	7.05857	8.03148	TTL	5.73489	5.10820	5.74748	6.13018 8	5.82425 1	6.55095 3
PRMT9	6.91857	6.09451 7	6.63050 8	5.81684 9	5.71408 9	6.31848 7	PGAM1	5.95406 9	5.62198 4	6.30512 1	6.27835 9	6.29386 2	6.89019
GPRIN3	9.72396 1	9.24798 3	9.55354 3	9.06230 6	8.85464 1	9.19172 4	TUBGCP3	4.99810 4	4.39370 6	5.38552 2	5.27854 5	5.41869 5	5.91832 2
MTMR10	5.86900 2	5.42062 9	5.67582 5	5.10350 7	4.87998 2	5.35754 7	MUC3A	4.27777 9	2.11781 2	3.13415 5	3.39818 7	4.69128 9	4.72598 3
P1P22	8.91358 8	8.44378 2	8.83644 6	8.11376 2	7.90411 2	8.74905 9	C12orf45	4.41336 8	3.40535 3	3.30389 8	4.6306 4	4.61976 4	4.53068 2
OTULINL 4	6.01625 4	5.17377 8	5.93687 8	4.89533	4.69128 9	5.81409	CCR3	- 0.84653	- 6.64386	- 6.64386	1.65597 6	1.32725 7	0.54946 3
EML4	8.79354 5	8.39306 3	8.75322 2	8.13573 2	7.70814 6	8.58181 6	SLC14A2	- 0.84653	- 6.64386	- 6.64386	1.27036 1	0.48385 3	0.03910 8
PPP1CB	7.82605 7	7.22233 1	7.80323 2	7.13198 7	6.43250 9	7.76170 8	PLEKHA7	4.53730 1	2.06349 2	3.13415 5	5.15679	4.5868	4.48507 4
YPEL5	9.82687 7	9.89123 9	10.0365 3	9.18050 2	8.93705 3	9.45038 5	ADAMTS 13	0.45974 5	- 2.55314	- 1.24785	2.02690 4	1.15805 1	1.54452 6
SH2B3	5.15006 2	5.19919 3	5.36648	4.49530 5	3.88047 2	4.83286	POMGNT 1	4.01082 7	2.85344 7	3.45575 5	4.34599 7	4.85942 8	4.16096 5
MADD	7.49805 5	7.77011 4	7.76920 2	7.11670 1	7.06755 8	7.36493 6	CARMIL3	2.98709	1.45234 1	2.18009 2	3.9911	4.66783 9	3.89104 2
TRIM39	5.44050 3	5.91825 6	5.87759	4.98223 7	4.74456 7	5.48942 8	ECT2	5.85545 8	5.30832 8	5.57989 6	6.29203 3	6.45094 4	6.13671 2
ZDHHC2	5.26721 4	4.79474 5	5.20971 6	3.83172 8	4.25036 2	5.01898 8	ESCO2	4.98572 5	4.18057 1	4.37161 3	5.00732	5.78482	5.27871 1
GNA13	8.8671	8.90314 2	8.71091 8	8.16296 1	8.28668 6	8.64237 1	FAM111B	4.10540 7	3.51061 9	3.73350 1	4.29258 4	4.72197 9	4.76506 9
FBXW7	7.38004	7.35120 7	7.34691 9	6.52118 7	6.76825 3	7.06324 1	MAD2L1	3.96110 5	3.06176 5	3.60942 7	4.31953 8	4.69128 9	4.46622 4
ERAP2	7.70667 3	7.83842 9	7.76284 5	7.10125 1	7.19742 9	7.50658 9	TELO2	2.65314 6	1.06693 9	1.99411 8	2.92338 3	3.40086 5	3.38434 4
ARHGDI A	5.63537 3	6.79435 5	6.58181	5.51843 9	6.43945	5.56224 5	CDAN1	3.03593 9	2.53201 8	3.22152 1	4.27891 7	3.79646 6	4.30583 6
CD55	7.48272	8.14346 7	7.85452	6.92379 6	7.39125 6	7.29455 1	CKS1B	4.61972 8	4.14177 4	4.60071 1	5.16424 3	5.02853	5.48006 2
B3GNT5	5.18296 8	5.64990 3	5.36648	4.58689 6	4.87316 3	4.92547 7	WDR76	5.79997 3	5.36557 1	5.50351 6	6.44673 6	6.33414 5	6.55764 7
ATP6V1H 1	6.11049 1	5.94103 2	6.08400 8	5.25779 2	5.66755 5	5.62732 6	TRAP1	3.52086 3	2.53201 8	2.99230 6	4.45940 2	4.40018 2	4.17264
PRKAA1	6.75677 8	6.83545 2	6.58593 6	5.95647 8	6.30150 1	6.35992 6	NRGN	- 0.84653	- 2.55314	- 1.24785	1.56879 9	1.67964 4	1.31093 3
SRRD	4.72774 6	4.86788 5	4.28299 9	3.42325 4	4.09493	3.89104 2	CFAP157	1.71664 7	- 6.64386	- 1.81578	1.65597 6	1.40495 7	0.92569 8
ISCA1	5.97300 8	6.44191 2	6.31011 2	5.15679	5.56972 8	6.35224 6	SRGAP1	- 1.82082	- 6.64386	- 2.76587	1.15538 2	- 0.24625	0.54946 3
ADSS2	5.61139 9	6.06717 1	6.07816 8	4.81236 9	5.61129 8	5.77249 6	DAD1	5.91543	5.14790 6	5.96879 2	6.26801 9	6.20704 9	6.45859 9
PDZD8	7.07868	7.78382 8	7.63839 5	6.70105 8	7.00655 2	7.40384 3	CEP72	1.83178 6	-0.3006	2.34480 7	3.26586 8	2.43963 5	3.00080 7
SIRT2	6.02232 8	6.82529 5	6.65817 5	5.52424 3	5.95270 4	6.16036	H4C9	5.37556 3	4.12860 6	4.88119 3	6.03175 4	5.14066 5	5.57109 4
CCDC115	5.05845 9	5.88340 3	5.56326 9	4.43496	5.07681 1	5.27871 1	ZBED2	7.12457 1	6.35412 6	6.89252 1	7.68941 1	7.13038 5	7.50543 5
PIK3AP1	6.13311 8	6.88328 1	7.24634 8	5.83564 4	6.13191 7	6.06648 2	SRD5A1	2.65314 6	1.27247 2	2.59433 4	3.85033 1	2.67739 4	3.42843 8
RANBP2	10.0576 7	10.0987 6	10.7058 1	9.45497 3	9.60073 9	10.0134 9	XXYL1	4.53730 1	2.44970 3	4.22074 8	5.26474 3	4.22915 6	4.30583 6
ETV3	6.29739 7	6.49161 4	6.78727 8	5.52424 3	6.01288 2	6.13968	GEM	7.48931 2	6.27864 6	6.81563 4	8.25047 6	7.31153 4	7.10801 2
RASA2	7.67425 3	7.40953 6	6.73812 3	6.52986 8	6.87279 4	6.65865 5	H2BC4	8.12593	7.38066 3	7.90406 1	8.93191 3	8.00649 1	8.12383 4
UQCRB	7.11323 4	7.28746 7	6.22281 7	6.05599 8	6.59880 3	6.31585 7	H4C2	5.24660 9	4.83583 5	4.41858 8	5.97354 9	5.16320 1	5.54438 2
FEM1C	7.02221 7	7.18465 5	6.42500 1	6.14533 2	6.57168 3	6.39274 1	TNFSF4	7.94273	6.44987 4	6.64835 5	7.87913 9	7.32533 9	8.37629 7

EVIZB	7.38946 9	7.52583 8	6.66792 8	6.64888 7	6.43482 7	6.44662 8	TNFRSF9	9.14898 8	8.86841 3	8.82428 6	9.41296 3	9.17535 1	9.71101 6
ECHDC2	6.17188 3	6.01803 1	5.25701 6	5.43462 6	4.99122 9	5.11287 8	KNL1	6.40358 3	6.12135 5	6.49461 5	6.67781 1	7.12752 3	6.98759 5
MAF	7.20953 5	6.93714 3	6.37585 9	6.15284 5	6.09429 7	6.24020 2	DIAPH3	4.01082 7	3.64615 2	4.33289 9	4.25118 6	5.20181 2	4.81061 5
CUL3	8.04322 2	7.82011 6	7.27853 6	7.21687 7	7.17681 1	7.11408 7	TMPO	7.19616 5	6.58133 4	7.17290 1	7.29194 1	7.73189 8	7.56201 6
ZFAND6	6.14430 1	6.12467 5	5.58402 3	5.31917 7	5.48281 1	5.35754 7	LMCD1	4.44987 7	3.33830 4	4.25220 9	4.49530 5	5.36137 6	5.37786 2
MYO15B	4.03505 9	4.00435 1	3.20017 1	2.73602 7	2.67739 7	2.71170 1	MELK	5.44050 3	4.91466 4	5.37603 2	5.67273 5	6.16579 3	6.13671 2
VPS11	6.22551 3	6.68391 7	6.04561 9	5.71395 7	5.97516 8	5.60595 7	WDHD1	4.89595 7	4.77797 5	5.05180 9	5.73412 4	6.15458 9	5.84725 1
ZNF552	4.39476 1	5.35994 8	4.39998 8	3.95717 5	4.26084 9	3.86249 2	BUB1B	5.92194 2	5.58389 9	5.95611 1	6.40014 5	6.70821 5	6.51242 2
NR4A3	6.82438 3	7.19574 5	7.00606 7	6.35852 7	6.64956 7	6.22626 5	DEK	7.07868 7	6.99452 1	7.15775 7	7.36329 7	7.76542 7	7.77995 2
PPP1R18	6.92182 3	7.47342 7	6.9189 8	6.65418 4	6.93632 4	6.12774 3	CTTN	0.94217 1	0.69049 2	1.30827 3	2.09088 1	2.54636 1	2.74336 2
MIDEAS	7.81210 1	8.16054 7	7.94233 8	7.55977 2	7.77551 9	7.10496 9	ANP32E	7.87386 4	7.65428 9	8.03945 6	8.18877 3	8.45938 2	8.65126 5
SDE2	7.54310 7	7.89103 9	7.41220 6	7.40479 1	7.26280 1	6.75499 6	GINS1	3.52086 3	3.16855 7	3.84775 9	4.13460 5	4.67569 8	4.89760 8
VAV3	7.06991 8	7.54454 8	6.53780 8	6.65946 8	6.68114 3	6.14562 5	MSH2	5.04658 8	4.44772 1	5.25183 1	5.24378 9	5.53126 2	5.57306 9
LAX1	6.24122 1	6.77335 6	5.86746 8	5.99460 7	5.75175 2	5.43714 5	SCCPDH	4.23657 8	3.44838 2	5.28769 8	4.61979 7	5.19635 9	5.62732 6
STK39	6.13872 2	6.04981 5	5.80165 5	5.44077 7	5.56972 8	5.11892 6	ABHD12	3.80074 9	3.08921 3	4.65664 5	4.05664 8	4.96581 4	4.99288 4
BTN3A2	7.07868 6	7.24080 4	6.77469 7	6.46193 7	6.71585 8	6.32111 2	FOXMI	4.10540 7	3.36100 1	4.72551 3	5.07215 2	5.31180 6	4.58456 7
PGRMC2	5.61943 5	5.73055 4	5.15528 4	4.91313 5	4.96581 4	4.61055 2	CCNB1	4.31783 6	3.57026 5	4.58432 4	4.82182 6	5.17987 5	4.90462 6
JMY	7.98065 5	8.03560 9	7.58379 7	7.28853 4	7.69467 3	6.58192 9	HOXC4	0.45974 5	- 1.59611	2.86241 7	3.42325 4	2.70836 9	2.42977 7
IFRD1	8.41504 3	8.48827 6	7.67754 6	7.89378 5	7.93462 9	7.13063 6	ALDH1B1	- 0.84653	- 2.55314	2.45706 9	1.65597 6	2.67739 6	2.39032 3
TINF2	5.98549 7	6.01445 6	5.30780 1	5.37163 1	5.54419 8	4.76506 9	STPG1	2.65314 6	1.68601 5	3.06497 3	4.47146 9	3.56218 4	3.21919 4
ZNF140	4.81430 2	5.01825 3	4.17770 3	3.86869 7	3.64457 9	4.02588 4	MAST2	3.98618 3	3.49016 4	4.13333 3	4.95671 5	4.73707 5	4.28447 3
STOM	7.49369 1	7.70174 5	7.38052 1	6.70105 8	6.71204 1	7.07573 7	TROAP	3.55478 1	3.44838 2	4.86092 8	5.20817 5	5.01 9	4.47568 6
CLINT1	7.04327 7	6.96333 9	6.83654 1	6.26455 5	6.13191 7	6.38774 1	NEK2	3.21630 4	3.11614 9	4.01604 6	5.37163 1	4.86631 2	4.52205 2
HERC1	9.41213 4	9.46879 5	9.22496 2	8.87740 9	8.65642 6	9.00924 1	ALKBH2	0.45974 5	0.17974 5	1.30827 3	2.81390 9	2.70836 9	2.07904 3
STARD3NL	6.12749 5	5.95601 9	5.60854 3	5.35218 4	5.01620 3	5.49873 3	KIF4A	4.55416 7	4.65479 3	5.41362 7	5.93048 7	6.05567 6	5.48942 8
APOL6	8.93064 2	8.65137 9	8.36557 2	8.13193 6	7.65844 6	8.19425 7	TPX2	6.64313 2	6.75847 4	7.05297 2	7.48584 4	7.57791 2	7.25528 5
ATP8A1	8.40461 8	8.21840 3	8.03494 1	7.82608 6	7.56315 9	7.86516 4	CDC20	2.98709 9	3.11614 9	4.29311 8	5.07215 2	4.95939 6	4.07648 7
SAMHD1	7.25150 4	7.13118 9	6.92379 3	6.68041 3	5.83130 5	6.56209 2	DNPH1	3.45053 7	3.62755 1	4.29311 8	5.17903 6	4.80314 9	4.39823 7
DDHD1	7.14419 9	7.10621 6	6.87914 8	6.62746 9	5.96558 3	6.87954 4	GIT1	5.68215 8	5.60306 7	6.67568 4	6.90389 8	6.36363 5	6.72160 6
TGFB1	6.12749 5	7.12457 2	7.04551 7	6.27835 9	5.83481 9	6.18362 6	FOXK2	4.90912 8	5.20547 8	6.01537 7	6.12637 7	5.74803 7	6.08822 8
BIN2	6.79275 4	7.55689 2	7.04999 2	6.65418 4	6.56746 5	6.60580 9	BCL2L1	2.30014 6	2.64730 3	3.71857 1	4.27891 7	3.32293 9	4.06399 6
ZBTB21	6.57452 3	6.77758 1	6.63250 2	6.36500 3	6.12619 3	6.10963 6	KLHL17	2.37799 4	2.22067 6	3.11146 1	3.79378 7	3.30278 1	3.72652 8
DHX16	5.67446 5	6.03224 2	5.79098 3	5.46512 1	5.29659 7	5.14878 8	SPRYD3	2.37799 4	2.49144 7	3.43762 4	4.26511 8	3.47479 8	3.97345 8
SIRT1	5.03461 9	5.26686 2	5.17183 7	4.39750 3	4.52723 7	4.54019 2	ZDHHC16	3.17328 3	3.14259 1	4.09913 7	4.50707 7	4.02282 4	4.44712 4
CASB	5.26721 4	5.44207 8	5.12727 7	4.61979 7	4.44685 4	4.54917 7	BIRC5	4.85570 7	5.18654 1	5.60448 3	6.00294 5	5.69101 8	5.74147 5
CYP20A1	5.61139 9	5.90287 8	5.68738 7	5.22252 6	5.1576 7	5.14878 8	TMEM141	1.45449 1	1.61225 9	2.80699 9	3.95717 5	2.85400 8	2.89201 4
							H2AC20	6.91531 4	6.99995 4	7.12838 1	7.84939 3	7.16289 9	7.69243 3
							TBC1D10B	4.92218 2	5.00390 3	5.31278 3	5.95647 8	5.43730 7	5.57355 7
							H2AC16	8.68956 6	8.71773 3	8.99129 7	10.2012 4	9.56706 8	9.38477 8
							H2AC21	4.80023 2	4.92992 6	5.20436 5	6.20436 9	5.30675 4	5.53536 7
							HELLS	6.57452 3	6.77335 6	6.66208 4	7.13767 8	7.53751 1	7.57856 6

VRK1	4.98572 5	5.08794 1	5.14972 6	5.52424 3	5.58232 5	5.88677 2
DLGAP5	5.02255 8	5.17377 8	5.27243 6	6.34874 3	6.14046 1	5.76094 1
ANLN	5.80702 6	5.83962 9	5.98760 7	6.60025 4	6.54833 6	6.28660 7
GEN1	4.82823 6	4.88364 7	4.90777 9	5.80259 1	5.94946 6	5.50797 9
GNG3	- 6.64386	- 6.64386	- 6.64386	0.57365 4	0.48385 3	- 0.75775
AFMID	2.37799 4	2.36240 5	2.04290 7	3.77443 6	3.19753 9	3.44778 5
WDR46	3.77220 1	3.93039 9	3.76293 1	4.59794 7	4.43764 4	4.64448 5
H2AC13	6.65490 8	6.82732 9	6.95758 6	8.17592 5	7.51469 5	7.80548 6
H4C8	5.72747 3	5.87554 2	5.92391 2	6.67520 5	6.38775 8	6.41010 6
ASPM	7.04626 1	7.04270 1	7.17563 8	7.80716 6	7.66042 8	7.70756 1
MAST1	- 6.64386	- 6.64386	- 6.64386	0.57365 4	- 0.24625	- 0.03910
CUX2	- 6.64386	- 6.64386	- 6.64386	0.38239 3	- 0.82268	- 0.22999
NCAPG	5.51130 9	5.59829 9	5.69884 3	6.19348 2	6.50708 1	6.10049 7
RRP9	1.93841 2	1.75619 1	2.26479 9	3.08918 6	3.66050 7	2.77434 3
PLEKHF1	1.93841 2	2.26948 3	2.74936 8	3.54244 7	3.72252 2	3.42843 8
CDCA8	3.80074 9	4.29107 1	4.59254 1	5.28539 7	5.47832 5	4.84019 9
GTSE1	4.63566 3	4.89146 4	4.92740 1	5.51843 9	5.60307 9	5.30547 1
RRM2	6.99158 8	7.33123 8	7.83647 8	8.05383 2	8.70811 2	8.19568 8
SNRNP25	3.25808 9	3.86837 9	4.23131 1	4.73439 5	5.49618 7	4.68581 7
RANBP1	5.32732 7	5.61727 8	5.85727 4	6.23300 5	6.85213 6	6.34452 6
KIF11	6.04039 7	6.18634 3	6.35185 6	6.58644 6	7.05405 5	6.75305 3
BCL2L12	2.30014 6	2.64730 3	2.96724 7	3.37267 6	4.12967 6	3.66172 7
BRCA1	4.81430 2	4.97476 5	5.16633 6	5.54723 9	6.31665 9	5.76865 5
CEP55	4.08233 6	4.34898 9	4.41858 8	4.93072 3	5.65965 1	5.00599 5
FANCI	5.61943 5	6.14770 3	5.90093 7	6.54136 3	6.99874 2	6.54197 9
PARK7	7.36816 7	7.65887 6	7.64235 8	8.30037 6	8.40605 2	8.35915 6
NUF2	3.48612 8	3.85244 9	3.79176 5	4.65196 5	5.01 1	4.80312 3
ESPL1	4.46779 3	5.03246 3	5.39494 9	6.35526 7	6.01598 1	5.30547 1
KIF2C	3.65199 8	4.31451 8	4.54252 1	5.66224 5	5.41869 5	4.92547 7
ISCA2	2.13058 7	3.00525 1	3.17849 9	4.33282 8	3.81081 1	3.46687 6
NUDT1	4.60361 5	5.24262 1	5.11020 9	6.17883 7	5.96558 3	5.67325 3
BANF1	4.61972 8	5.19919 3	5.08130 4	5.70886 2	5.69488 2	5.28947 5
KIF20A	3.17328 3	4.43707 8	4.17770 3	5.19367 9	5.34668 3	4.45670 5
CENPO	3.21630 4	4.38265 6	4.16673 7	4.95671 7	5.04682 6	4.43747 8
UQCC2	2.77325 6	3.78690 7	3.60942 7	4.33282 8	4.61159 3	4.16096 5
TNFRSF8	- 6.64386	- 1.02576	- 2.76587	1.56879 9	1.15805 1	0.22999 7
MT-ND6	8.98762 8	9.54325 1	9.54324 7	9.19194 2	9.73514 1	10.5791 9
RAD51AP1	3.96110 5	3.88413 6	4.33289 9	4.53033 7	4.85942 8	5.84725 1
DSN1	5.08191 1	4.88364 7	5.35686 5	5.31917 7	5.65568 3	6.25949 1
ZNF367	3.80074 9	3.83634 9	4.00377 5	3.97423 7	4.88676 9	4.99945 4
MRPL13	4.41336 8	4.36029 9	4.44605 6	4.55322 7	5.08273 5	5.55334 1

PAICS	5.40375 3	5.73490 7	6.47029 6	6.17145 8	7.51687 9	7.37760 2
MRPL3	4.23657 8	4.20586 9	4.84037 4	4.6306	5.44652 3	5.70977 2
ATAD5	5.61139 9	5.66366 2	5.92065 2	5.85879 7	6.42086 6	6.50320 5
SLC7A1	5.24660 9	5.51473	6.16613 5	6.23654 5	6.76272 9	6.74329 9
VCL	3.80074 9	3.94549 6	4.59254 1	4.74437 5	5.11777 1	5.20671 9
RPL26L1	3.25808	3.55065 3	4.21010 6	4.22291 2	4.57003 1	4.68581
REV1	5.51992	5.60306 7	6.06346 4	6.02767 4	6.24451 9	6.38020 8
SMC2	6.59504 3	6.66352	7.26831 4	7.09736 3	7.58627 5	7.96337 6
BRI3BP	1.30307 2	1.45234 1	2.18009 2	2.52064 1	3.03597 4	3.61114 2
RRP15	3.58792	4.42635 7	4.34267 6	4.38479 8	5.20724 4	5.55334 1
ORC6	3.21630 4	4.31451 8	4.14455 4	4.17943 4	4.94645 5	5.38791 3
BCCIP	4.65142 4	5.43139 3	5.66417 7	5.46512 1	6.09429 7	6.28660 7
ECM2	3.45053 7	4.15482 3	4.28299 9	4.23711 9	4.85251 1	4.94603 2
UBR7	4.29794 7	4.60811 6	4.82650 6	4.90426	5.04075 3	5.5578
NHP2	0.94217 1	1.82311 1	2.88934 7	2.69544	2.85400 8	3.87683 7
SIVA1	5.20449 5	5.72181 4	6.1907	6.27147 4	6.35631 9	6.81209 7
CENPW	2.13058 7	2.75405 4	3.64146 2	3.71477 4	3.92070 9	4.76506 9
GAPDH	9.10459 4	10.2604 8	10.7597 1	10.1779 6	10.6279 5	11.0237
PHB	3.41404 5	5.23649 6	5.81224 8	5.41601 5	5.75546 5	6.21219 2
CCT7	5.44954 7	6.20528 2	6.49899 3	6.30220 3	6.60704 7	6.71563 3
NUDT21	6.07586 9	6.71948 3	7.09261 9	6.85867 3	7.28223 5	7.40260 4
MRPL51	5.49393 1	6.23015 4	6.6968	6.24359 9	6.80275 2	7.02188 6
SLC25A5	6.48059 7	7.31097 2	7.42146 1	7.13388 6	7.68107 2	7.87591 6
TIMM13	1.59151 5	4.00435 2	4.28299 9	3.60950 5	5.10618 7	5.04462 9
SSRP1	4.84203 7	6.07061 8	6.10713 5	5.75895 1	6.51147 9	6.58192 9
PA2G4	5.42224 6	6.19584 4	6.91399	6.09941 4	6.81347 8	7.04747 5
TPH1	6.24122 1	6.89693 6	7.99675 4	7.05989 1	7.63142 4	8.40070 1
CPT1A	4.10540 7	4.96738 8	5.49477 5	4.86820 3	5.52692 4	6.11267
PCLAF	2.65314 6	2.85344 7	4.17770 3	3.63118 2	4.20763 5	4.53115 1
XRCC5	7.66457 8	7.93897 1	8.48790 2	8.20150 8	8.38283 6	8.92027 9
GOLIM4	6.08750 2	6.45779 3	7.40289 2	6.95206 2	7.39839 8	7.87859 2
CMSS1	2.71445 1	3.16855 7	4.11062 6	3.77443 6	4.25036 2	4.91856
TST	- 6.64386	- 6.64386	2.99230 6	1.65597 6	1.54882 8	2.46818 1
PPP1R14B	0.94217 1	1.45234 1	3.92787 5	3.26586 8	2.98628 3	4.36808 9
PRPSA1	3.90960 8	3.78690 7	5.03984	4.82182 6	4.78145 3	5.29482 7
SKA1	5.02255	5.12819 4	6.24122 6	6.21158 1	6.25242 3	6.69958 2
COPRS	0.72103	0.69049	3.06497 3	2.81390 9	2.90838 2	3.87683 7
LMNB2	3.52086 3	4.57936 9	5.86407 8	5.20817 5	5.90669 9	5.52173 8
ADCY3	3.85620 5	4.68208 7	5.71021 5	5.56423 3	5.57813 8	5.44197 7
CD82	4.96064 2	5.46321 1	6.44555 9	6.10716 9	6.19342 8	6.59500 3
FAH	- 0.84653	0.95203 6	3.06497 3	2.81390 9	2.54636 1	3.69449 2

TUBA1B	6.71238 8	7.62293 9	8.39582 3	8.22842 3	8.04568 6	8.38948 9
GID8	4.77167 3	5.59829 9	6.62851 2	6.08770 2	6.22322 7	6.47283 5
CDT1	2.58911 9	2.36240 5	4.31314 6	3.63118 2	4.93340 3	4.36808 9
ASF1B	2.52211 9	2.57147 9	4.38113 1	3.37267 6	4.84556 3	4.30583 6
TUBB	8.22536 9	8.15487 5	9.38431 1	9.18783 4	9.54605 3	9.18957 1
NUTF2	5.26721 4	5.40433 1	6.07523 9	6.03582 3	6.40440 7	5.98605 5
MRPL4	2.45185 6	2.31669 2	3.67280 1	3.60950 5	4.46510 8	3.54081 2
KIF23	5.77860 3	5.93348 3	6.98905 3	6.87239 3	7.11890 1	6.98759 5
CLUH	2.45185 6	2.97614 1	4.34267 6	4.30612 4	4.76681 1	4.38825 8
ORC1	2.77325 6	3.06176 5	4.30316 7	4.35904 7	5.22877 2	4.84750 1
UHRF1BP 1	3.93558 6	3.89972 2	5.04583 7	5.12658 3	5.46023 8	5.27871 1
MANF	4.55416 7	4.63630 1	5.52942 8	5.52424 3	5.88990 7	5.77632 7
SHMT2	3.80074 9	5.05351 8	5.91411 8	5.9693 8	6.31917 3	6.36502 3
HNRNPAB	6.51546 3	7.06187 7	7.54833 7	7.46638 5	7.69757 1	7.67201 4
TCF19	4.23657 8	4.90697 2	5.71398 6	5.58103 8	5.73680 4	5.96941 8
HMGB3	3.48612 8	4.14177 4	4.87447 4	4.88634 4	5.10035 9	5.20671 9
CHTF18	2.21785 6	3.08921 3	4.00377 5	4.29258 5	4.49206 3	4.39823 7
TMEM223	1.59151 5	2.26948 3	3.22152 1	3.49594 5	3.62847 2	3.59387 8
ELP5	3.65199 8	3.96043 7	4.84725 8	4.9481 8	5.23941 6	5.14286 4
CCNB2	4.17248 3	4.58901 5	5.26731 2	5.49498 5	5.59895 2	5.69365 6
UBAC1	3.12893 8	3.42702 8	4.13333 3	4.34599 7	4.40018 2	4.46622 4
EXO1	3.12893 8	3.78690 7	4.48188 5	4.45940 2	5.09450 8	5.32652 8
PPIA	8.56299 7	9.01426 1	9.35079 4	9.22973 2	9.67613 1	9.79744 7
HADH	3.90960 8	4.48952 2	4.98471 6	4.77390 9	5.35159 7	5.46114 5
TALDO1	4.53730 1	5.08794 1	5.64059 5	5.61407 1	6.06766 6	6.02199 7
CHAF1B	3.03593 9	3.64615 2	4.38113 1	4.47146 9	5.39984 1	5.28410 3
STMN1	6.38955 5	6.77335 6	7.16741 6	7.22045 3	7.62940 3	7.66169 4
CDCA5	3.85620 5	4.70000 2	5.91082 8	5.26474 3	6.57798 7	6.13073 9
MCM4	5.07023 2	5.98918 2	6.50553 5	6.53849 8	7.28480 6	7.09886 3
DTL	5.65113 7	6.32267 3	6.78906 6	6.80723 1	7.41139 9	7.07728 5
CLN6	2.65314 6	3.44838 2	3.86142 4	3.90474 2	4.65199 1	4.25182 4
TMEM106 C	4.19416 6	4.20586 9	4.94676 9	5.0401 9	5.90669 9	5.55334 1
ARL13B	3.37660 5	3.51061 5	4.18858 5	4.04053 8	4.95939 8	4.60194 2
NCAPD3	6.24641 9	6.17997 5	6.58593 2	6.79287 7	7.03737 8	6.88487 7
SLC43A3	4.19416 6	4.15482 3	4.93388 3	5.09573 1	5.54419 8	5.11287 8
NCAPG2	5.75691 2	5.99281 8	6.13553 1	6.54992 4	6.70053 2	6.74134 2
UBE2T	3.85620 5	4.18057 1	4.40931 4	4.93072 3	5.08273 5	5.08843 2
NDUFS8	4.90912 8	5.34863 5	5.69884 3	5.98200 9	6.17136 2	6.22626 5
MTLN	2.21785 6	2.57147 9	3.11146 1	3.60950 5	3.75255 5	3.71059 9
TOP2A	6.97289 3	6.90081 4	7.73063 1	7.99757 7	8.06301 7	8.27568 2
DTYMK	4.99810 4	4.96738 8	5.38078 5	5.80259 1	5.86262 6	5.86894 2

HIRIP3	4.01082 7	4.73517 8	4.98471 6	4.79326 7	6.26810 3	4.78802 1
E2F8	3.65199 8	4.36029 9	4.23131 1	4.75428 7	5.79928 9	4.39823 7
DNMT1	7.49150 3	7.63229 9	7.79791 2	8.03362 5	8.52773 6	7.82133 4
PP1F	5.05845 9	5.70416 9	6.27990 2	5.51843 9	6.91987 5	6.56209 2
MTSS1	5.34681 1	5.66821 9	5.93040 9	5.62491 6	6.85732 8	6.40020 9
MTHFD1L	3.71335 1	4.60811 6	5.09871 6	4.55322 7	5.90669 9	5.03186 6
ANP32B	6.81391 7	7.89006 4	7.99830 1	7.90049 5	8.72098 7	7.94051
PDIA4	4.55416 7	5.50457 3	5.65635 9	5.50088 5	6.32917 5	5.83628 2
DUT	4.93511 5	5.35994 8	5.54221 2	5.70375 6	6.24451 9	6.05391 1
WDR12	3.12893 8	3.73571 9	3.82003 3	4.14970 4	4.80314 4	4.45670 5
TK1	3.52086 3	4.47918 5	4.62494 9	4.93943 8	5.56972 8	5.23483 5
STIL	5.28752 9	5.72619 1	5.88764 2	6.06796 9	6.43250 9	6.16328 9
CKAP2L	4.80023 2	5.38231	5.42286 6	5.65697 1	6.65156 1	6.12173 3
POLA1	5.18296 8	5.92968 9	5.85386	6.20074 9	6.79915 9	6.44422 1
WDR34	1.71664 7	2.97614 1	3.04115 5	3.05751 5	4.45601 5	4.16096 5
PRDX3	4.57083 9	5.26686 2	5.39494 9	5.45300 1	6.04053 4	5.92868 7
CENPJ	3.58792	4.77797 5	4.96586 3	4.68343 1	5.78845 7	5.55334 1
BRIP1	4.37591 1	5.08112 2	5.27243 6	5.11893 2	5.87633 1	5.60164 5
PSMD4	4.81430 2	5.66821 9	6.04262 3	5.74907 2	6.62136 2	6.48224 8
CLSPN	4.88266 5	5.67729 1	6.02755	5.84495	6.79736	6.67721 6
DKC1	4.94793 5	5.60306 7	5.92391 2	5.70886 2	6.53543 1	6.32634 8
MCM10	2.82975 9	4.00435 2	4.38113 1	4.51875 4	5.84878 9	4.86918 9
MCM3	5.55386	6.03577 4	6.39946 8	6.44673 6	7.31405 3	6.87776 2
PKM	7.42658	7.89881 6	8.36317 6	8.14800 2	9.20212 5	8.67043 5
FGGY	2.58911 9	3.26798 6	3.47366	4.04053 8	3.81081 1	4.18422 2
DGCR8	4.6977	5.00390 2	5.05180 9	5.56423 3	5.41869 5	5.83994 7
PARP2	4.50296 4	4.88364 7	4.81952 3	5.40975 7	5.18539 1	5.54886 9
PRDX5	5.31747 5	6.46304 8	6.11571 3	6.53275 1	6.33662 5	6.89019
MRPL11	2.52211 9	4.14177 4	4.02821 3	4.73439 5	4.27126 5	4.90462 6
MCUR1	2.45185 6	4.06090 1	4.30316 7	4.49530 5	4.34210 7	4.86199 6
PSMB3	4.55416 7	5.89899 7	5.99071 9	6.20074 9	6.34896 5	6.13073 9
SLCO4A1	1.71664 7	4.01869 8	4.06411 1	4.19407 3	4.59511 2	4.43747 8
PIMREG	- 6.64386	1.17336 2	1.66064 3	2.15214	2.67739	2.12783 9
PARD6A	- 1.82082	1.27247 2	1.94362 1	2.77549	3.19753 9	2.97436 8
CAND2	- 6.64386	- 1.02576	- 0.04517	1.73818 4	1.96263 2	1.47078 5
EBNA1BP2	2.77325 2	4.92231 5	4.74038 1	5.21536 8	5.83130 5	5.45159 3
CDC45	1.59151 5	4.48952 2	4.40931 4	4.85904 6	5.43267 6	5.46589 7
ITGB1BP2	- 6.64386	0.69049 2	0.14561 2	1.27036 1	2.47609 5	2.17503 8
CIT	4.23657 8	5.77348 8	5.88094 9	6.45891	6.39253 4	5.81781 2
STAC	- 6.64386	- 1.59611	0.84102 7	2.02690 4	1.67964 4	1.39307 2
C19orf53	5.43140 3	6.29641 8	6.58181	6.82379 9	6.77558 5	6.53972 7

PRR11	4.21552 8	5.00390 2	5.29778 5	5.61950 4	5.56126 8	5.29482 7
CDC25A	- 0.27024	2.60988 9	3.13415 5	4.58689 6	5.03465 5	4.06399 6
MYO7A	7.03128	7.83031 9	7.92291 9	8.40710 6	8.41664 3	8.06632
ACADVL	6.27213 3	6.83950 3	6.87914 8	7.23821 6	7.22848 3	7.06480 9
FHOD1	3.45053 7	4.25517 3	4.53401 3	4.99900 7	4.94645 5	4.93236 2
POLD3	4.6977	5.65909	5.94010 1	6.48593	6.23657 1	6.18650 8
HAUS8	3.71335 1	4.69107 2	4.83345 7	5.48906 2	5.34668 3	5.23483 5
FEN1	3.74307 6	4.99667 3	5.76213 3	5.22252 6	6.16858	5.89736 6
NOLC1	5.55386	6.51204	6.83481	6.54422	7.10150 2	6.74915 3
POLE	4.90912 8	6.43390 5	6.42959 5	6.34874	6.98773 5	6.44422 1
PSMC3	4.41336 8	5.97453 6	6.04262 3	5.97354 9	6.50045 9	6.09743 7
FBL	5.68981	6.91813 7	6.97183	6.88372 2	7.39364 2	7.25391 2
MYBL2	2.30014 6	4.85993 9	5.45926 8	5.14176 6	6.11467 6	5.54438 2
UCK2	- 1.82082	2.94643 2	3.68821 9	3.29332 1	4.40018 2	4.06399 6
CDC47L	0.14043 7	2.71934 1	3.32377 7	3.23788 3	4.27126	4.35789 9
CDC6	3.77220 1	5.34294 6	5.54644 8	5.72910 7	6.19068 8	6.22626 5
SHCBP1	3.52086 3	4.91466 4	5.18275 7	5.31917 7	5.86262 6	5.82892 2
AVEN	- 6.64386	- 1.02576	1.78057 3	1.27036 1	2.01313 1	2.39032 3
ARHGGEF4 0	- 1.82082	1.17336 2	2.62670 2	2.56636 6	2.51165 5	2.80467 2
WDR90	- 0.27024	1.82311 1	2.99230 6	3.58749 6	3.32293 9	3.78854 4
PANK1	- 6.64386	- 2.55314	0.46493	0.89364 2	0.74516 7	1.86546 4
EIF5A	6.19357 5	6.85956 7	7.08244 4	7.16394 1	7.44971 7	7.04588 9
E2F2	3.12893 8	4.55003 7	5.37603 2	5.22964 8	5.76654 6	5.21803 1
SIGMAR1	3.33816 9	4.3261	4.97217 4	5.08791 4	5.40929 9	4.86199 6
AURKA	4.08233 6	4.53014 6	5.12161	5.27854 5	5.73304 3	5.22365 4
DDX41	4.17248 3	4.67304 5	5.03381 8	5.37805 6	5.60307 9	5.32129 2
POLD2	2.21785 6	3.29180 8	4.00377 5	4.20856 5	4.75943 4	4.32688 7
CENPN	4.41336 8	4.96738 8	5.17183	5.36517 8	5.62353 9	5.36774
RPSA	8.60407 2	9.88145 8	9.34503	9.42154 1	9.77638 3	10.0822 3
RPS2	8.86372 1	9.80100 1	9.47793 6	9.61311 4	9.91272 2	9.98956
TRMT6	2.30014 6	4.06090 1	3.52608 1	4.00776 9	4.25036 2	4.55810 6
RPLP0	7.77661	8.67534 8	8.46346 9	8.56255 7	9.0285	9.14136 8
CCDC167	4.48548 4	5.47366 3	5.05180 9	5.31248 4	5.75546 5	5.62307 8
PCNA	5.34681 1	6.46828 4	6.17983 4	6.01536 2	7.51469	7.00239 1
SNRPC	4.15046 9	4.96738 8	4.80545 2	4.84055 6	5.54848 4	5.40780 8
DDX55	4.53730 1	5.33723 3	5.08713 2	5.14176 6	5.84182 1	5.58863 1
BATF	4.50296 4	6.48646 2	5.99382 4	5.53578 3	6.69087	6.50551 5
MCM7	4.93511 5	6.41233 4	6.27224 9	6.00709 6	7.17265 1	6.66486 9
YBX1	8.37169 6	9.37363 9	9.14131 5	8.96109 7	9.78957 1	9.59079 9
SNRPD2	6.66270 6	7.63579 4	6.93676	7.66728 7	7.50259	7.52264 4
LAMTOR1	2.65314 6	4.55003 7	3.91482 8	4.55322 7	4.64400 2	4.59328 1

CCDC34	2.13058 7	3.89972 2	2.99230 6	4.16464 6	4.14107 4	4.14919 4
SHB	- 6.64386	0.17974 5	- 2.76587	0.89364 2	1.67964 4	0.22999 7
DUS1L	4.31783 6	5.59351 5	4.81250 5	5.50676	6.79555 7	5.45159 3
CHAF1A	4.33745 5	5.42062 9	4.77689 4	5.45300 1	6.05567	5.17804 4
MCM5	5.45853 3	6.58615 9	6.59618 4	6.87011 3	7.38167 8	6.77428 1
COMMD4	3.55478 1	4.93749 6	4.66446 1	4.99900 7	5.68712 7	4.84750 1
EXT1	4.44987 7	6.12135 5	5.54644 8	5.6675	6.32917	5.90788 2
RGS3	4.25732 6	6.06025 3	5.34718 5	5.83096 8	6.35876 2	5.47063 4

Data is presented as numbers of $\log_2(\text{CPM}+0.01)$. CPM; counts per million reads mapped.