|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S1.** Log2 fold change for differentially-expressed genes (p<0.05) in fetal germ cells (index for Figure S1) | | | | | | | | |  |
|  | Female vs. Male | |  | Female |  |  | Male |  |  |
| Refseq gene | E12.5 | E13.5 | E14.5 | E12.5 vs. E13.5 | E13.5 vs. E14.5 | E12.5 vs. E14.5 | E12.5 vs. E13.5 | E13.5 vs. E14.5 | E12.5 vs. E14.5 |
| Mir92-2 | -1.73700383 | -2.774660705 | 9.797512205 | -1.455078484 | -10.83304952 | -12.288128 | -2.492735359 | 1.73912339 | -0.753611969 |
| Mir1983 | -2.1206171 | 0.518128974 | 7.94179503 | -1.364868781 | -6.506216785 | -7.871085566 | 1.273877293 | 0.917449272 | 2.191326565 |
| Snord68 | -0.553068453 | 1.966683864 | 17.78589646 | -0.696347617 | -15.6503799 | -16.34672752 | 1.8234047 | 0.168832697 | 1.992237396 |
| Snord99 | 0.870924492 | 2.739194894 | 19.09705943 | -2.070893624 | -14.76787988 | -16.83877351 | -0.202623222 | 1.589984649 | 1.387361427 |
| Snord42a | 0.998056212 | -0.444309686 | 17.31357155 | -0.595539877 | -14.70589596 | -15.30143583 | -2.037905775 | 3.051985282 | 1.014079507 |
| Snord19 | 1.198857353 | -0.064653631 | 18.17934204 | -0.024803216 | -14.94148868 | -14.96629189 | -1.2883142 | 3.302506992 | 2.014192792 |
| Snord91a | -0.246074354 | 2.032261474 | 15.39451853 | -1.73206325 | -11.78590313 | -13.51796638 | 0.546272577 | 1.576353931 | 2.122626508 |
| Mir1944 | 0.430476769 | 0.792069272 | 14.85834517 | -0.364919396 | -10.75365419 | -11.11857358 | -0.003326894 | 3.31262171 | 3.309294817 |
| Snord111 | 1.028497337 | 2.843569479 | 13.96688227 | -1.445231172 | -9.249412675 | -10.69464385 | 0.369840971 | 1.873900117 | 2.243741088 |
| Mir3057 | 1.826352583 | 1.999755822 | 12.7710198 | -0.538803395 | -7.952607735 | -8.49141113 | -0.365400156 | 2.818656244 | 2.453256088 |
| Mir680-1 | 1.233362529 | 3.53389199 | 12.00449522 | -0.026840538 | -7.68518897 | -7.712029508 | 2.273688924 | 0.785414259 | 3.059103183 |
| Mir1895 | 2.794149804 | 4.509717391 | 15.82562192 | 0.635123684 | -7.60551945 | -6.970395767 | 2.350691271 | 3.710385074 | 6.061076345 |
| Mir207 | -6.812179275 | 1.800114706 | 12.09298201 | 2.657136595 | -10.02856461 | -7.371428019 | 11.26943058 | 0.264302688 | 11.53373326 |
| Snord1c | 1.127277025 | 12.29986716 | 14.30440664 | -10.79046203 | -0.331845879 | -11.12230791 | 0.382128098 | 1.672693601 | 2.054821699 |
| Mir3077 | -8.752713502 | -11.06186553 | 14.32918894 | 2.347409245 | -10.96143902 | -8.614029773 | 0.038257215 | 14.42961546 | 14.46787267 |
| Mir30d | -10.12109009 | -2.956620386 | -3.171869965 | 0.841283781 | 2.062145118 | 2.903428899 | 8.005753482 | 1.846895539 | 9.852649021 |
| Scarna8 | -6.984969501 | 1.11846133 | 2.621544232 | -0.156209787 | 1.074448994 | 0.918239207 | 7.947221043 | 2.577531897 | 10.52475294 |
| Mir215 | -5.526103494 | 0.223217385 | 0.171234423 | 2.046285594 | 2.271444276 | 4.317729871 | 7.795606473 | 2.219461315 | 10.01506779 |
| Mir1937b-2 | -0.109875297 | -4.166603143 | 4.031744491 | 4.094985061 | 1.969045495 | 6.064030556 | 0.038257215 | 10.16739313 | 10.20565034 |
| Mir27b | -9.21457784 | -8.006772281 | 1.793332591 | -1.169548345 | 2.945077355 | 1.77552901 | 0.038257215 | 12.74518223 | 12.78343944 |
| Scarna17 | -9.988284529 | -10.99870083 | 2.956989245 | 1.603342093 | 1.143241966 | 2.746584059 | 0.592925791 | 15.09893204 | 15.69185783 |
| Gm6222 | 4.847393582 | -0.021403332 | -0.091781265 | -0.053958072 | 0.111796407 | 0.057838335 | -4.922754985 | 0.041418473 | -4.881336512 |
| Gm5803 | 4.638321258 | -0.021403332 | -0.091781265 | -0.053958072 | 0.111796407 | 0.057838335 | -4.713682661 | 0.041418473 | -4.672264188 |
| Gm6251 | 4.83376777 | -0.195237585 | -0.091781265 | 0.104932378 | 0.111796407 | 0.216728785 | -4.924072976 | 0.215252726 | -4.70882025 |
| Gm16378 | 4.449080367 | -0.009680894 | -0.353556998 | -0.060973034 | 0.247871271 | 0.186898237 | -4.519734294 | -0.096004833 | -4.615739127 |
| Gm12034 | 4.697598831 | -0.22334821 | -0.747080201 | -0.108155722 | 0.698458819 | 0.590303098 | -5.029102762 | 0.174726829 | -4.854375934 |
| Gm6900 | 4.980670229 | -0.021403332 | -0.341421755 | -0.281878713 | 0.361436897 | 0.079558184 | -5.283952274 | 0.041418473 | -5.242533801 |
| Hist1h4n | 5.215863627 | -0.021403332 | -0.091781265 | -0.053958072 | 0.111796407 | 0.057838335 | -5.29122503 | 0.041418473 | -5.249806557 |
| 4933409K07Rik | 5.57337025 | -0.021403332 | -0.091781265 | -0.053958072 | 0.111796407 | 0.057838335 | -5.648731654 | 0.041418473 | -5.60731318 |
| D14Ertd449e | 5.570698566 | -0.021403332 | -0.091781265 | -0.053958072 | 0.111796407 | 0.057838335 | -5.646059969 | 0.041418473 | -5.604641496 |
| Gm12657 | 5.646561152 | -0.021403332 | 0.132408925 | -0.053958072 | 0.111796407 | 0.057838335 | -5.721922556 | 0.265608664 | -5.456313892 |
| Gm6682 | 6.038837265 | -0.021403332 | -0.091781265 | -0.053958072 | 0.111796407 | 0.057838335 | -6.114198668 | 0.041418473 | -6.072780195 |
| Ftl2 | 5.916891689 | -0.436440831 | 0.251290586 | -0.053958072 | -0.497437761 | -0.551395832 | -6.407290591 | 0.190293656 | -6.216996935 |
| Gm13611 | 6.020430608 | -0.146597247 | -0.674180305 | -0.233291231 | 1.667407814 | 1.434116583 | -6.400319086 | 1.139824756 | -5.26049433 |
| Gm10012 | 5.225285709 | -0.017101528 | -1.298434497 | -0.116187798 | 1.906566279 | 1.790378481 | -5.358575035 | 0.62523331 | -4.733341725 |
| Gm5506 | 4.400974483 | -0.021403332 | -2.166109868 | -2.767473257 | 2.186125009 | -0.581348248 | -7.189851072 | 0.041418473 | -7.148432599 |
| Gm12070 | 7.135018401 | -0.021403332 | -0.091781265 | -0.053958072 | 0.111796407 | 0.057838335 | -7.210379804 | 0.041418473 | -7.168961331 |
| Gm6788 | 7.496054718 | 0.563559169 | 0.132408925 | -0.053958072 | 0.111796407 | 0.057838335 | -6.986453621 | -0.319353837 | -7.305807458 |
| Gm5148 | 6.74317559 | -0.021403332 | -0.348580123 | 0.216851604 | 0.111796407 | 0.328648011 | -6.547727317 | -0.215380384 | -6.763107701 |
| Gm11968 | 6.483756489 | -0.398251078 | -1.039512834 | -0.060428808 | 0.947542129 | 0.887113321 | -6.942436374 | 0.306280373 | -6.636156002 |
| Gm10136 | 7.426250889 | -0.034210809 | -1.231769884 | -0.047423728 | 1.616381103 | 1.568957376 | -7.507885425 | 0.418822028 | -7.089063397 |
| Dynlt1c | 8.907411255 | -0.465045618 | -0.091781265 | 0.389684215 | -0.331845879 | 0.057838335 | -8.982772658 | 0.041418473 | -8.941354185 |
| Plac9 | 8.248609008 | -0.465045618 | -0.091781265 | 0.389684215 | -0.331845879 | 0.057838335 | -8.323970411 | 0.041418473 | -8.282551938 |
| Gm9104 | 8.36153835 | -0.184916488 | -0.867425248 | 0.284334717 | 0.723253659 | 1.007588375 | -8.262120121 | 0.040744898 | -8.221375223 |
| Gm5643 | 6.15221676 | 0.205443873 | -3.277400278 | -0.283453421 | 3.522470096 | 3.239016675 | -6.230226308 | 0.039625944 | -6.190600363 |
| BC002163 | 6.840727274 | -0.28078968 | -4.888477736 | -0.053958072 | 4.908492878 | 4.854534806 | -7.175475026 | 0.300804822 | -6.874670204 |
| Rn4.5s | 11.33615773 | -0.465045618 | -0.091781265 | 0.389684215 | -0.331845879 | 0.057838335 | -11.41151914 | 0.041418473 | -11.37010066 |
| Snord11 | -0.019629014 | -11.20793311 | 2.490230142 | -0.560691423 | 0.009096632 | -0.551594791 | -11.74899552 | 13.70725989 | 1.958264366 |
| Mirlet7i | -2.341543582 | -9.741556631 | 0.96679802 | -0.692337982 | 0.945076895 | 0.252738913 | -8.092351031 | 11.65343155 | 3.561080515 |
| Mir684-2 | 4.617235334 | -7.429881988 | 2.03212365 | 0.218806108 | 1.054980165 | 1.273786272 | -11.82831121 | 10.5169858 | -1.311325412 |
| Mir1943 | 0.250396687 | -0.0545812 | 0.819940508 | -10.49473462 | 12.10460496 | 1.609870336 | -10.79971251 | 12.97912667 | 2.179414156 |
| Mir684-1 | 8.379290634 | -0.042221251 | 12.23590099 | -6.545649092 | -0.331845879 | -6.877494972 | -14.96716098 | 11.94627636 | -3.020884617 |
| Mir19b-2 | -11.01777473 | -10.40259982 | -0.091781265 | -0.291543423 | -11.00010578 | -11.2916492 | 0.323631488 | -0.689287224 | -0.365655736 |
| Mir106a | -10.73262862 | -9.766813886 | -0.486794957 | -0.642183244 | -9.969306153 | -10.6114894 | 0.323631488 | -0.689287224 | -0.365655736 |
| Mir92b | -8.633800589 | -7.010789507 | -0.091781265 | -1.584753867 | -7.608295466 | -9.193049332 | 0.038257215 | -0.689287224 | -0.651030009 |
| Rnu11 | -7.084675427 | -6.58724366 | -0.091781265 | -0.459174552 | -7.184749619 | -7.643924171 | 0.038257215 | -0.689287224 | -0.651030009 |
| Mir20a | -4.309410409 | -2.920630061 | -11.28370409 | -0.332353592 | 0.713306076 | 0.380952484 | 1.056426756 | -7.649767953 | -6.593341197 |
| Mir18 | -2.499756654 | -0.999138456 | -9.555072326 | -0.416911961 | -0.507292806 | -0.924204767 | 1.083706237 | -9.063226677 | -7.979520439 |
| Mir425 | 0.433278254 | 0.523453912 | -8.557082014 | 0.686127492 | -1.522420254 | -0.836292762 | 0.77630315 | -10.60295618 | -9.82665303 |
| Mir17 | -9.042882876 | -6.924112794 | -11.57064351 | -2.080512867 | 3.957243493 | 1.876730626 | 0.038257215 | -0.689287224 | -0.651030009 |
| Amt | -0.231022027 | -0.707457915 | -0.359301131 | -0.686468179 | -2.177648904 | -2.864117083 | -1.162904067 | -1.82949212 | -2.992396187 |
| 1700019D03Rik | -0.257308531 | -0.696582552 | 0.111499377 | -0.855380747 | -2.196940239 | -3.052320986 | -1.294654768 | -1.388858311 | -2.683513078 |
| Defb42 | -0.797400624 | -1.02004039 | -0.516727404 | -1.184494065 | -1.875458859 | -3.059952924 | -1.407133831 | -1.372145873 | -2.779279704 |
| Txnrd1 | -0.447413482 | -0.514834928 | -0.057072488 | -0.781098103 | -1.816534239 | -2.597632342 | -0.848519549 | -1.358771799 | -2.207291348 |
| Foxh1 | -0.121154842 | -0.445389381 | -0.5715234 | -0.302205289 | -1.790551956 | -2.092757244 | -0.626439828 | -1.916685975 | -2.543125802 |
| Arpc1b | -1.050424698 | -1.494839951 | -1.173270988 | -0.694792288 | -1.455193709 | -2.149985997 | -1.139207541 | -1.133624745 | -2.272832286 |
| Jak3 | -0.655387322 | -1.246972536 | -1.177327193 | -0.718842513 | -1.251545302 | -1.970387815 | -1.310427727 | -1.181899959 | -2.492327686 |
| Gna14 | -0.880418369 | -1.59504202 | -0.948638862 | -0.158391288 | -1.926912781 | -2.085304068 | -0.873014939 | -1.280509622 | -2.153524561 |
| Pdgfa | -0.530845957 | -1.235938897 | -0.979388183 | -0.297236132 | -1.478091315 | -1.775327447 | -1.002329071 | -1.221540601 | -2.223869672 |
| Vim | -0.716393371 | -0.375229819 | 0.102255787 | -0.659075277 | -1.674925183 | -2.334000459 | -0.317911725 | -1.197439577 | -1.515351302 |
| Mir17hg | -0.563062067 | -0.192071938 | 0.246901778 | -0.855146833 | -1.47671741 | -2.331864244 | -0.484156704 | -1.037743694 | -1.521900398 |
| Traf4 | -0.049143142 | -0.012657475 | 0.096693921 | -0.558667415 | -1.305980387 | -1.864647802 | -0.522181748 | -1.196628991 | -1.718810739 |
| Ung | -0.38357521 | 0.010255243 | 0.119521185 | -0.693457344 | -1.194510131 | -1.887967475 | -0.299626892 | -1.085244189 | -1.38487108 |
| Hexb | -0.98319338 | -0.596090254 | -0.418598469 | -0.486865855 | -1.30184611 | -1.788711966 | -0.099762729 | -1.124354325 | -1.224117054 |
| Sparc | -0.614754327 | -0.201687187 | -0.202309341 | -0.563655605 | -0.997408498 | -1.561064103 | -0.150588465 | -0.998030652 | -1.148619117 |
| Cmtm7 | -0.699237172 | -0.549443823 | -0.316183369 | -1.064516571 | -0.862505121 | -1.927021692 | -0.914723223 | -0.629244667 | -1.54396789 |
| Aurkc | -0.714994949 | -0.402722337 | -0.433264779 | -0.862510031 | -0.737038984 | -1.599549015 | -0.550237419 | -0.767581425 | -1.317818845 |
| Prdx6 | -0.566909026 | -0.73942358 | -0.796908996 | -0.801945126 | -0.964842412 | -1.766787537 | -0.97445968 | -1.022327828 | -1.996787508 |
| Txn1 | -0.183972678 | 0.091277059 | -0.664119317 | -0.55153074 | -1.053364501 | -1.604895241 | -0.276281003 | -1.808760877 | -2.08504188 |
| Kit | -0.259573875 | -0.463243143 | -0.559785504 | -0.028822952 | -1.303567798 | -1.33239075 | -0.232492219 | -1.400110159 | -1.632602379 |
| Pecam1 | -0.334451873 | -0.64258118 | 0.148095018 | -0.1064788 | -2.059491471 | -2.165970271 | -0.414608106 | -1.268815273 | -1.683423379 |
| Plcg2 | -0.702391445 | -0.993058494 | -0.279219944 | -0.143543171 | -1.585412752 | -1.728955923 | -0.43421022 | -0.871574202 | -1.305784422 |
| Glrx | -0.091906894 | 0.258259676 | 0.866229445 | -0.68729406 | -1.338103977 | -2.025398037 | -0.33712749 | -0.730134208 | -1.067261698 |
| Gdf3 | -0.059174042 | 0.3007093 | 1.066496003 | -0.776329977 | -1.360903664 | -2.137233641 | -0.416446634 | -0.595116961 | -1.011563596 |
| Trip10 | -0.046684716 | 0.037940289 | 1.078591905 | -0.562661273 | -1.579027333 | -2.141688605 | -0.478036268 | -0.538375716 | -1.016411984 |
| Igfbpl1 | -0.308982337 | -0.13036732 | 0.800179056 | -0.44224344 | -1.462516234 | -1.904759674 | -0.263628423 | -0.531969858 | -0.795598282 |
| Nfyb | -0.184956995 | -0.058778485 | 0.943793061 | -0.370237617 | -1.628903088 | -1.999140704 | -0.244059106 | -0.626331542 | -0.870390648 |
| Slc25a5 | -0.550582957 | -0.056728903 | 0.988226062 | -0.876310634 | -1.529966954 | -2.406277589 | -0.38245658 | -0.48501199 | -0.867468569 |
| Ifitm3 | -0.599848308 | -0.076850839 | 0.368059183 | -0.937772517 | -1.307253027 | -2.245025544 | -0.414775048 | -0.862343005 | -1.277118053 |
| Zic3 | -0.4459815 | -0.164474405 | 0.467563979 | -0.882406427 | -1.342507756 | -2.224914183 | -0.600899333 | -0.710469373 | -1.311368705 |
| Ccnd3 | -0.429860846 | -0.291870308 | 0.617486781 | -0.60086453 | -1.56536097 | -2.166225501 | -0.462873992 | -0.656003881 | -1.118877873 |
| Fam113b | -0.485957243 | -0.280936325 | 0.481888422 | -0.634858843 | -1.307187061 | -1.942045904 | -0.429837925 | -0.544362314 | -0.974200239 |
| Tbx4 | -0.560571931 | -0.719545125 | 0.510818098 | -0.770148871 | -1.84527565 | -2.615424521 | -0.929122065 | -0.614912428 | -1.544034492 |
| Mapkapk3 | -0.796821163 | -0.361657465 | 0.434476452 | -1.297487983 | -1.406172828 | -2.703660811 | -0.862324285 | -0.61003891 | -1.472363196 |
| Gstm3 | -0.150780931 | -0.183918005 | 0.508432237 | -0.80941409 | -1.521749567 | -2.331163656 | -0.842551163 | -0.829399325 | -1.671950488 |
| Tdh | -0.697873187 | -0.027990199 | 0.832136022 | -0.795138537 | -2.074933954 | -2.87007249 | -0.125255549 | -1.214807733 | -1.340063282 |
| Slc25a13 | -0.351521241 | 0.012889838 | 0.80915594 | -0.833186749 | -1.84927328 | -2.682460029 | -0.468775671 | -1.053007178 | -1.521782848 |
| Esrrb | -0.138261437 | 0.188074323 | 1.387268595 | -0.78222081 | -2.015279765 | -2.797500575 | -0.45588505 | -0.816085493 | -1.271970543 |
| Gldc | -0.921772442 | -1.033270985 | -0.089337275 | -0.595726242 | -1.342351157 | -1.938077399 | -0.707224785 | -0.398417447 | -1.105642232 |
| Mpp1 | -0.786102644 | -0.947004319 | 0.105103486 | -0.782484366 | -1.103311197 | -1.885795564 | -0.943386041 | -0.051203393 | -0.994589434 |
| Fgd1 | -1.131345531 | -1.009799662 | 0.39085782 | -0.484087755 | -1.581168202 | -2.065255957 | -0.362541886 | -0.18051072 | -0.543052606 |
| Trim6 | -0.333546794 | -0.769602636 | 1.207268006 | -0.645582623 | -1.699346285 | -2.344928908 | -1.081638465 | 0.277524356 | -0.804114109 |
| Slc30a2 | -0.636691066 | -0.972125551 | 0.938141634 | -0.713058484 | -1.340972992 | -2.054031476 | -1.048492969 | 0.569294193 | -0.479198776 |
| Crygs | -1.332955867 | -0.6674466 | 0.985032027 | -1.406979071 | -1.329460584 | -2.736439654 | -0.741469804 | 0.323018044 | -0.418451761 |
| Sall4 | -0.579240732 | 0.166426447 | 0.569244532 | -1.082578023 | -0.849029803 | -1.931607826 | -0.336910844 | -0.446211718 | -0.783122562 |
| Pvrl2 | -0.225879161 | 0.28525198 | 1.066159333 | -1.181033047 | -0.997581793 | -2.17861484 | -0.669901906 | -0.216674439 | -0.886576345 |
| Csrp2 | -0.102550152 | 0.215470672 | 0.366300176 | -1.317303027 | -0.522252607 | -1.839555634 | -0.999282203 | -0.371423103 | -1.370705306 |
| Klf2 | -0.964319768 | 0.027671295 | 0.278628748 | -1.454900523 | -0.918147014 | -2.373047538 | -0.46290946 | -0.667189562 | -1.130099021 |
| Timp1 | -0.719464503 | 0.156553677 | 0.517452902 | -1.379414607 | -0.909639165 | -2.289053772 | -0.503396427 | -0.54873994 | -1.052136367 |
| BC048355 | 0.216809222 | 0.346085372 | 0.015249481 | -0.891156528 | -0.850992625 | -1.742149153 | -0.761880377 | -1.181828516 | -1.943708894 |
| Dennd1c | 0.402286836 | 0.610300647 | 0.324421575 | -0.885583848 | -0.993008552 | -1.8785924 | -0.677570037 | -1.278887624 | -1.956457661 |
| Gatsl3 | -0.13367316 | 0.541675778 | 0.233681594 | -1.086811039 | -0.907801504 | -1.994612544 | -0.411462101 | -1.215795688 | -1.627257789 |
| Ier2 | 0.088420661 | 0.601867347 | -0.011670763 | -1.035474959 | -0.520199894 | -1.555674853 | -0.522028272 | -1.133738005 | -1.655766277 |
| Nlrp1a | 0.638719323 | 1.090427451 | 0.447970254 | -1.536126743 | -0.370041523 | -1.906168266 | -1.084418615 | -1.01249872 | -2.096917336 |
| 2010204K13Rik | 0.397800848 | 0.720308851 | 0.281474325 | -1.194344586 | -0.347429432 | -1.541774018 | -0.871836583 | -0.786263959 | -1.658100542 |
| Ass1 | 0.527679627 | 0.109011382 | 0.363592212 | -0.738811006 | -1.134178443 | -1.872989449 | -1.157479251 | -0.879597613 | -2.037076864 |
| Acot1 | 0.862715566 | 0.346605308 | 1.117198215 | -0.55817551 | -1.202632189 | -1.760807699 | -1.074285768 | -0.432039282 | -1.50632505 |
| Gm13154 | 0.361204208 | -0.410020809 | -0.098351401 | -1.003106461 | -0.710761702 | -1.713868163 | -1.774331478 | -0.399092293 | -2.173423772 |
| Pabpc4 | 1.035063718 | -0.197644833 | -0.01376228 | -0.139555248 | -0.938064404 | -1.077619652 | -1.372263798 | -0.754181851 | -2.12644565 |
| Kifc1 | 1.214662707 | 0.468368086 | 0.188276052 | -0.389365453 | -0.940777973 | -1.330143425 | -1.135660074 | -1.220870006 | -2.35653008 |
| Gapdh | 1.639347495 | 0.706281822 | 0.743809074 | -0.596064074 | -0.865655347 | -1.461719421 | -1.529129747 | -0.828128095 | -2.357257842 |
| Tuba1b | 1.639505856 | 0.228722293 | 0.359215157 | -0.57542551 | -1.121274056 | -1.696699565 | -1.986209073 | -0.990781191 | -2.976990264 |
| Rps6kl1 | 1.073762645 | 1.148325543 | 0.068235097 | -1.114401799 | -0.463257455 | -1.577659253 | -1.0398389 | -1.543347901 | -2.583186801 |
| Mkx | 1.359598923 | 1.167940977 | 0.479629026 | -0.742796312 | -0.770270669 | -1.513066981 | -0.934454258 | -1.45858262 | -2.393036878 |
| Slc7a7 | 1.496456882 | 1.094368981 | 0.436064124 | -1.114401799 | -0.677219295 | -1.791621093 | -1.516489699 | -1.335524151 | -2.852013851 |
| Fblim1 | 1.453345959 | 1.036339697 | 1.129278184 | -1.111487119 | -1.00018944 | -2.111676559 | -1.528493381 | -0.907250953 | -2.435744334 |
| Hnrnpa1 | 1.453455967 | 0.526885399 | 1.589624974 | -0.919132597 | -1.292645514 | -2.211778111 | -1.845703165 | -0.229905938 | -2.075609103 |
| Ctbp2 | 0.378428165 | 0.915072104 | 1.067176715 | -0.958646871 | -1.151838998 | -2.110485869 | -0.422002932 | -0.999734386 | -1.421737318 |
| Lasp1 | 0.545615262 | 0.986976462 | 1.086083176 | -0.944421263 | -1.011680932 | -1.956102194 | -0.503060062 | -0.912574218 | -1.41563428 |
| Dusp4 | 0.456115686 | 1.142760498 | 1.17018847 | -0.984393502 | -1.188373407 | -2.17276691 | -0.29774869 | -1.160945435 | -1.458694126 |
| Nans | 0.557605297 | 1.129438235 | 1.120224698 | -1.137430691 | -0.693306604 | -1.830737295 | -0.565597754 | -0.70252014 | -1.268117894 |
| Gstm1 | 0.635156484 | 1.310825129 | 1.2834632 | -0.979832652 | -0.864870321 | -1.844702973 | -0.304164007 | -0.89223225 | -1.196396257 |
| Capg | 0.189681876 | 0.706269941 | 0.875008265 | -1.162503212 | -0.892025072 | -2.054528284 | -0.645915147 | -0.723286748 | -1.369201894 |
| Miip | 0.167152426 | 0.592982951 | 0.7076458 | -1.037106556 | -0.835062321 | -1.872168877 | -0.61127603 | -0.720399473 | -1.331675503 |
| Ubqln4 | 0.148858625 | 0.794307278 | 0.874032085 | -0.965132512 | -1.038233756 | -2.003366268 | -0.319683859 | -0.958508949 | -1.278192808 |
| Dppa5a | 0.595828866 | 1.273651864 | 0.647775637 | -1.093403342 | -0.448334428 | -1.54173777 | -0.415580344 | -1.074210656 | -1.489791 |
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| Avpi1 | 0.073491513 | 0.933307 | 0.640869084 | -1.331668025 | -0.236269616 | -1.567937641 | -0.471852538 | -0.528707532 | -1.00056007 |
| Exosc6 | 0.278358026 | 1.34369406 | 1.083670183 | -0.906410462 | -0.789540398 | -1.69595086 | 0.158925573 | -1.049564275 | -0.890638702 |
| Spns1 | 0.412743302 | 1.245486391 | 1.153498723 | -0.874081458 | -0.753016898 | -1.627098356 | -0.041338368 | -0.845004567 | -0.886342935 |
| Gpx1 | 0.19265828 | 1.288285618 | 0.666916595 | -0.872685659 | -0.331444829 | -1.204130488 | 0.22294168 | -0.952813852 | -0.729872172 |
| Snhg12 | 0.220482503 | 1.539031377 | 1.700528217 | -1.562366316 | -0.879873902 | -2.442240218 | -0.243817441 | -0.718377062 | -0.962194504 |
| Cdc42ep5 | 0.441706993 | 1.598378423 | 1.835307743 | -1.280159832 | -0.89620777 | -2.176367602 | -0.123488402 | -0.65927845 | -0.782766852 |
| Pml | 0.261160978 | 1.125942557 | 1.55606797 | -1.117897911 | -0.960676978 | -2.078574889 | -0.253116332 | -0.530551565 | -0.783667897 |
| 1500012F01Rik | 0.198600653 | 1.362243766 | 1.383372483 | -1.385927783 | -0.581958563 | -1.967886346 | -0.222284671 | -0.560829845 | -0.783114516 |
| Crip2 | 0.308826329 | 1.560336286 | 1.174386111 | -1.694141039 | -0.420124325 | -2.114265364 | -0.442631083 | -0.806074501 | -1.248705583 |
| 1810032O08Rik | 0.449107513 | 1.493927208 | 1.154999797 | -1.364378933 | -0.52513016 | -1.889509093 | -0.319559238 | -0.86405757 | -1.183616808 |
| Scgn | 1.198981367 | 1.773501417 | 1.210286262 | -0.941972225 | -1.302256967 | -2.244229192 | -0.367452174 | -1.865472122 | -2.232924297 |
| Fbxo5 | 0.069101 | -0.019813447 | -1.069587854 | -0.402401089 | -0.501275512 | -0.903676601 | -0.491315537 | -1.551049919 | -2.042365455 |
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| Pola2 | 0.187267068 | 0.459933387 | -1.02700443 | -0.518628096 | 0.051939087 | -0.46668901 | -0.245961778 | -1.43499873 | -1.680960508 |
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| Pkdcc | 1.420342082 | 1.268825072 | -0.026015324 | -0.116282877 | -0.318014287 | -0.434297163 | -0.267799886 | -1.612854683 | -1.88065457 |
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| Ubb | 1.366475549 | 0.168621288 | -0.005980045 | -0.162334708 | 0.154331012 | -0.008003696 | -1.360188968 | -0.020270322 | -1.38045929 |
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| Larp1 | -0.23572602 | 0.230848405 | 0.516066175 | -0.9103765 | -1.051839188 | -1.962215688 | -0.443802074 | -0.766621419 | -1.210423493 |
| Dhrs4 | -0.171508368 | 0.476105764 | 0.301253381 | -0.695146246 | -1.056629701 | -1.751775947 | -0.047532114 | -1.231482084 | -1.279014198 |
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| Eif4g1 | -0.0405481 | 0.519800764 | 0.856984504 | -0.31489087 | -1.228080475 | -1.542971346 | 0.245457994 | -0.890896736 | -0.645438742 |
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| Pla2g10 | -0.278847817 | 0.495119528 | 1.128167562 | -0.998135895 | -0.961614903 | -1.959750798 | -0.224168549 | -0.328566869 | -0.552735419 |
| Ybx1 | -0.263063474 | 0.449077461 | 1.302778136 | -0.759337367 | -1.218957897 | -1.978295265 | -0.047196432 | -0.365257222 | -0.412453654 |
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| Wdr55 | 0.177925411 | 0.886421849 | 1.63443845 | -0.836403027 | -1.090081554 | -1.926484581 | -0.127906589 | -0.342064952 | -0.469971542 |
| Rabggtb | 0.181520177 | 0.864490429 | 1.570260055 | -0.756599771 | -1.090257645 | -1.846857417 | -0.07362952 | -0.384488019 | -0.458117539 |
| Mapk1ip1l | 0.151437707 | 0.596364274 | 1.443078676 | -0.515076031 | -1.210359748 | -1.725435779 | -0.070149464 | -0.363645347 | -0.43379481 |
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| Ywhag | 0.084490954 | 0.551210406 | 1.199659868 | -0.392685452 | -1.194798406 | -1.587483859 | 0.074033999 | -0.546348944 | -0.472314945 |
| Glud1 | 0.003052347 | 0.627977504 | 1.047159223 | -0.390238901 | -1.045575645 | -1.435814546 | 0.234686255 | -0.626393926 | -0.391707671 |
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| Mtap | 0.306899684 | 0.547809944 | 0.779284496 | -0.78353206 | -1.42714571 | -2.21067777 | -0.542621801 | -1.195671157 | -1.738292958 |
| Ckb | -0.384844969 | 0.661607764 | 0.843198754 | -0.96744989 | -1.598548193 | -2.565998083 | 0.079002843 | -1.416957203 | -1.33795436 |
| Prdm14 | 0.195346032 | 0.463379423 | 1.754420153 | -0.490278401 | -2.120323221 | -2.610601622 | -0.222245009 | -0.829282491 | -1.051527501 |
| Gjb3 | 0.093318805 | 0.772882089 | 1.561412459 | -0.664004979 | -1.854960883 | -2.518965863 | 0.015558304 | -1.066430513 | -1.050872209 |
| Ap3b2 | -0.096968857 | 0.82973031 | 1.819996603 | -0.681721977 | -1.958553709 | -2.640275686 | 0.24497719 | -0.968287417 | -0.723310226 |
| Ptbp1 | -0.064958551 | 0.653489555 | 1.789149355 | -0.587913336 | -1.870722856 | -2.458636192 | 0.130534771 | -0.735063057 | -0.604528286 |
| Vdac1 | 0.183231853 | 1.141334101 | 1.433294617 | -0.861287432 | -1.496423873 | -2.357711306 | 0.096814815 | -1.204463357 | -1.107648542 |
| Rpp25 | 0.390909526 | 1.516116268 | 1.665568394 | -1.163111649 | -1.339057767 | -2.502169416 | -0.037904907 | -1.189605641 | -1.227510548 |
| Aurkb | 0.491375101 | 0.936288801 | 1.284952119 | -0.679946673 | -1.433607794 | -2.113554467 | -0.235032973 | -1.084944476 | -1.319977449 |
| Hsd17b11 | 0.41512345 | 0.904842967 | 1.515265668 | -0.644727629 | -1.548116901 | -2.19284453 | -0.155008112 | -0.9376942 | -1.092702312 |
| Srm | 0.185675432 | 1.198603892 | 1.98243776 | -1.033722058 | -1.698081324 | -2.731803382 | -0.020793599 | -0.914247456 | -0.935041055 |
| Akap12 | 0.105047867 | 1.260033843 | 2.179644668 | -1.193803403 | -1.552030051 | -2.745833454 | -0.038817428 | -0.632419225 | -0.671236653 |
| Etv5 | 0.002985994 | 0.996150209 | 2.201108942 | -1.163058951 | -1.825015497 | -2.988074449 | -0.169894736 | -0.620056764 | -0.7899515 |
| Gas5 | 0.032631225 | 1.077674324 | 1.719191236 | -1.270589506 | -1.25317524 | -2.523764746 | -0.225546407 | -0.611658327 | -0.837204735 |
| Qtrt1 | -0.011959907 | 1.194250635 | 1.849715818 | -1.396406904 | -1.260854581 | -2.657261485 | -0.190196362 | -0.605389398 | -0.79558576 |
| Slmo1 | 0.34577303 | 1.34751037 | 1.96960958 | -1.538212175 | -0.893121002 | -2.431333176 | -0.536474835 | -0.271021791 | -0.807496626 |
| Efcab10 | 0.451460707 | 1.619855165 | 2.266173514 | -1.607491638 | -1.054196257 | -2.661687894 | -0.43909718 | -0.407877908 | -0.846975087 |
| Zfp296 | 0.090233024 | 0.625590699 | 1.649049053 | -1.527983851 | -1.182185112 | -2.710168964 | -0.992626176 | -0.158726758 | -1.151352934 |
| Got1 | 0.212638011 | 0.688200269 | 2.16012063 | -1.084053623 | -1.740167005 | -2.824220627 | -0.608491365 | -0.268246644 | -0.876738009 |
| Usp10 | 0.1022277 | 0.812841189 | 1.724838515 | -0.868626067 | -1.32508145 | -2.193707517 | -0.158012578 | -0.413084125 | -0.571096702 |
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| Triml2 | 0.347012021 | 0.978702363 | 1.950441858 | -1.209262511 | -1.031621259 | -2.24088377 | -0.577572168 | -0.059881765 | -0.637453933 |
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| Shmt1 | 0.200829807 | 0.998244821 | 1.788014165 | -0.684387618 | -1.344642447 | -2.029030065 | 0.113027396 | -0.554873102 | -0.441845706 |
| Rangap1 | 0.366878281 | 1.193641481 | 1.943991955 | -0.703111233 | -1.314079776 | -2.017191009 | 0.123651967 | -0.563729302 | -0.440077335 |
| Ppm1a | 0.255989365 | 0.997846893 | 1.926664786 | -0.526619404 | -1.430469587 | -1.957088991 | 0.215238125 | -0.501651695 | -0.286413571 |
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| Ssbp4 | 0.443597366 | 1.405709565 | 2.118445662 | -0.98480646 | -1.12562584 | -2.1104323 | -0.02269426 | -0.412889743 | -0.435584003 |
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| Lmnb1 | 0.510891076 | 1.319594177 | 1.662339405 | -0.476702984 | -1.444915527 | -1.921618511 | 0.332000117 | -1.102170298 | -0.770170182 |
| Pcbp1 | -0.026518525 | 1.073165042 | 1.275390629 | -0.691794693 | -1.081911555 | -1.773706249 | 0.407888873 | -0.879685969 | -0.471797095 |
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| Cndp2 | 0.861098171 | 1.407530549 | 1.793178709 | -0.768823933 | -0.801129482 | -1.569953415 | -0.222391554 | -0.415481322 | -0.637872876 |
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| Isl2 | -1.004681526 | -1.197711808 | -0.613576831 | -0.816409495 | -1.542716504 | -2.359125999 | -1.009439777 | -0.958581527 | -1.968021304 |
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| Lgals1 | -1.114397842 | -0.566972688 | -1.37425353 | -0.772220919 | -0.326566736 | -1.098787655 | -0.224795766 | -1.133847578 | -1.358643343 |
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| Hmgn5 | -0.206680655 | -0.453027455 | -0.019111346 | -1.771128408 | -1.701260283 | -3.472388691 | -2.017475208 | -1.267344175 | -3.284819383 |
| Lgals9 | 0.221128405 | 0.245730184 | 0.133273411 | -1.691838454 | -1.620628756 | -3.312467209 | -1.667236674 | -1.733085529 | -3.400322203 |
| Pfkp | 0.215810648 | -0.141045067 | 0.373185042 | -1.645178732 | -1.125390913 | -2.770569645 | -2.002034447 | -0.611160803 | -2.61319525 |
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| Plcd1 | -0.461469379 | -1.293237828 | -1.194124893 | -0.896052183 | -2.126093618 | -3.0221458 | -1.727820632 | -2.026980682 | -3.754801314 |
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| Lrpap1 | -0.35389582 | -0.626322793 | -2.07836436 | 0.121640759 | -0.128375481 | -0.006734722 | -0.150786214 | -1.580417048 | -1.731203262 |
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| Abcg2 | 0.247781684 | -0.374338688 | -1.269908078 | -0.170749179 | 0.079912228 | -0.090836951 | -0.792869551 | -0.815657161 | -1.608526712 |
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| Hist1h3c | 0.109251614 | -1.183218175 | -1.851121895 | 0.210417135 | -0.355463477 | -0.145046342 | -1.082052653 | -1.023367197 | -2.10541985 |
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| Gm11517 | 2.581278692 | -0.021403332 | -0.264039777 | -0.210936884 | 0.111796407 | -0.099140477 | -2.813618908 | -0.130840038 | -2.944458946 |
| Omd | 2.664444422 | -0.021403332 | -0.091781265 | -0.283453421 | 0.111796407 | -0.171657014 | -2.969301174 | 0.041418473 | -2.927882701 |
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| Dynlt1e | 3.162071104 | 0.27451131 | 0.15543182 | -0.364896377 | 0.420941035 | 0.056044659 | -3.25245617 | 0.301861545 | -2.950594625 |
| Gm8898 | 3.018123402 | 0.389061086 | 0.326400861 | -0.478656099 | 0.111796407 | -0.366859692 | -3.107718415 | 0.049136182 | -3.058582233 |
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| Msx1 | -1.372258119 | -2.987507275 | -3.157272468 | 1.922800674 | 0.211183666 | 2.13398434 | 0.307551518 | 0.041418473 | 0.348969991 |
| Macrod1 | -1.502150346 | -2.696376708 | -3.757246603 | 1.628049824 | 1.239944104 | 2.867993929 | 0.433823463 | 0.179074209 | 0.612897672 |
| Myl7 | -1.280228636 | -1.529387948 | -3.103074079 | 0.462026624 | 1.387880396 | 1.849907021 | 0.212867312 | -0.185805735 | 0.027061578 |
| 0610010O12Rik | -1.130670973 | -1.596031424 | -2.702632422 | 0.656061899 | 1.333779557 | 1.989841456 | 0.190701448 | 0.22717856 | 0.417880008 |
| Syngr4 | -1.002167964 | -2.063034348 | -3.438520281 | 1.200956505 | 1.319598809 | 2.520555315 | 0.140090121 | -0.055887124 | 0.084202997 |
| Syn2 | -0.695964503 | -2.07748516 | -2.836441367 | 1.274046977 | 1.21307867 | 2.487125646 | -0.107473681 | 0.454122463 | 0.346648782 |
| Slc30a4 | -0.638852876 | -1.567083384 | -2.997694505 | 1.330842091 | 1.055041434 | 2.385883525 | 0.402611583 | -0.375569687 | 0.027041896 |
| Trank1 | -0.592590207 | -1.604982108 | -2.656919008 | 1.319943418 | 1.093355374 | 2.413298792 | 0.307551518 | 0.041418473 | 0.348969991 |
| Baz1a | -0.592590207 | -1.604982108 | -2.657861151 | 1.319943418 | 1.094297516 | 2.414240934 | 0.307551518 | 0.041418473 | 0.348969991 |
| Glrb | -0.592590207 | -2.013641278 | -2.230634905 | 1.728602588 | 0.67111609 | 2.399718678 | 0.307551518 | 0.454122463 | 0.76167398 |
| Hccs | -1.07838898 | -1.684264502 | -2.39585765 | 1.057765298 | 0.947576388 | 2.005341686 | 0.451889776 | 0.235983241 | 0.687873017 |
| Rgs10 | -1.033417149 | -1.730730077 | -2.399982658 | 1.46957662 | 0.711164887 | 2.180741507 | 0.772263692 | 0.041912306 | 0.814175997 |
| Larp1b | -1.320964401 | -1.668741288 | -2.050488042 | 1.170800398 | 0.853362489 | 2.024162887 | 0.823023512 | 0.471615735 | 1.294639247 |
| Rec8 | -2.751799273 | -3.442450896 | -3.658457393 | 2.435788481 | 0.810499445 | 3.246287927 | 1.745136858 | 0.594492949 | 2.339629807 |
| Ccnd1 | -1.363539451 | -2.069319053 | -2.855968091 | 2.072678912 | 0.436915429 | 2.509594341 | 1.36689931 | -0.349733609 | 1.017165702 |
| Mxd4 | -1.592894221 | -1.683030513 | -1.840168621 | 1.785290387 | 0.512061161 | 2.297351547 | 1.695154095 | 0.354923053 | 2.050077148 |
| Phlda2 | -4.814438578 | -7.107644875 | -4.667619755 | -0.130383836 | -1.461083004 | -1.59146684 | -2.423590132 | 0.978942115 | -1.444648017 |
| Stra8 | -2.900400345 | -6.235579545 | -6.963843947 | 4.060049334 | 1.856701384 | 5.916750718 | 0.724870134 | 1.128436982 | 1.853307116 |
| Tex101 | -0.836721513 | -2.798363871 | -2.93360311 | 2.354019811 | 3.187649907 | 5.541669719 | 0.392377454 | 3.052410668 | 3.444788122 |
| Taf7l | -0.526027201 | -2.417765941 | -2.922931853 | 3.028554509 | 3.474442883 | 6.502997392 | 1.136815769 | 2.969276971 | 4.10609274 |
| Gm1564 | -0.747194925 | -3.435143628 | -4.533686593 | 3.374006186 | 1.554998938 | 4.929005124 | 0.686057482 | 0.456455972 | 1.142513455 |
| Tsc22d3 | 0.210938394 | -1.521405392 | -3.470811903 | 2.224137193 | 2.850877122 | 5.075014315 | 0.491793408 | 0.90147061 | 1.393264018 |
| Dmrtc2 | -0.793095789 | -2.083919106 | -3.97353804 | 1.598374834 | 3.343361936 | 4.94173677 | 0.307551518 | 1.453743002 | 1.76129452 |
| Sycp3 | -1.019420866 | -1.987788784 | -3.138020583 | 1.629955036 | 2.77379694 | 4.403751976 | 0.661587117 | 1.623565141 | 2.285152258 |
| H2-K1 | -0.273934626 | -2.376141294 | -5.955123184 | 2.311434693 | 3.35862463 | 5.670059323 | 0.209228024 | -0.220357259 | -0.011129235 |
| 4930528F23Rik | -0.382912921 | -1.247030192 | -4.529422089 | 1.171668789 | 3.32381037 | 4.495479159 | 0.307551518 | 0.041418473 | 0.348969991 |
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| H2-D1 | 0.20204958 | -1.908384172 | -5.001127433 | 1.833022769 | 3.546865724 | 5.379888492 | -0.277410983 | 0.454122463 | 0.17671148 |
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| Spdya | -0.382912921 | -1.960891115 | -5.187706838 | 1.885529712 | 3.268234196 | 5.153763908 | 0.307551518 | 0.041418473 | 0.348969991 |
| Lypd4 | -0.382912921 | -1.516324495 | -4.630990156 | 1.171668789 | 4.009667363 | 5.181336152 | 0.038257215 | 0.895001702 | 0.933258917 |
| Figla | -0.967875422 | -2.083919106 | -4.848484294 | 1.423595202 | 3.539821345 | 4.963416547 | 0.307551518 | 0.775256157 | 1.082807675 |
| Inca1 | -0.793095789 | -2.020365663 | -5.016003043 | 1.534821391 | 3.622018355 | 5.156839746 | 0.307551518 | 0.626380974 | 0.933932492 |
| Kras | -0.162253924 | -0.719534409 | -1.70361979 | 0.301881099 | 0.274405165 | 0.576286264 | -0.255399385 | -0.709680216 | -0.965079601 |
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| Nudt19 | -0.151153989 | -0.501016894 | -1.807022408 | 0.073928589 | 0.501397848 | 0.575326438 | -0.275934316 | -0.804607665 | -1.080541981 |
| Uchl3 | -0.050729436 | -0.511598369 | -1.36012719 | 0.145446936 | 0.264084563 | 0.409531499 | -0.315421997 | -0.584444258 | -0.899866255 |
| Mapk14 | -0.089335934 | -0.357758236 | -1.465354238 | 0.192147782 | 0.367173298 | 0.55932108 | -0.07627452 | -0.740422703 | -0.816697223 |
| Uap1 | -0.153909922 | -0.603422332 | -1.712768504 | 0.145754932 | 0.233854512 | 0.379609444 | -0.303757479 | -0.87549166 | -1.179249138 |
| Pfdn4 | -0.28059887 | -0.49510858 | -1.710343088 | 0.146122573 | 0.184997576 | 0.331120149 | -0.068387138 | -1.030236932 | -1.098624069 |
| Klhl22 | -0.299488037 | -0.549686004 | -1.709990994 | -0.109940194 | 0.301238254 | 0.191298059 | -0.360138161 | -0.859066736 | -1.219204897 |
| Tor2a | -0.032980975 | -0.245908362 | -1.786348923 | -0.137315806 | 0.478451619 | 0.341135813 | -0.350243193 | -1.061988941 | -1.412232135 |
| Ccdc111 | 0.018656876 | -0.160767509 | -1.716409409 | -0.379077746 | 0.834808295 | 0.455730549 | -0.558502131 | -0.720833605 | -1.279335736 |
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| Mrpl18 | -0.340341749 | -0.027187843 | -1.455937263 | -0.181449763 | 0.556906735 | 0.375456972 | 0.131704143 | -0.871842685 | -0.740138541 |
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| Hmgb2 | -0.388988125 | -0.288061857 | -1.468938564 | 0.168745035 | -0.216403499 | -0.047658464 | 0.269671303 | -1.397280206 | -1.127608903 |
| Nrm | -0.176938164 | -0.434694834 | -2.454744299 | -0.048927725 | 0.475278182 | 0.426350456 | -0.306684395 | -1.544771283 | -1.851455678 |
| Tk1 | -0.341259758 | -0.404256663 | -2.503190053 | 0.088477499 | 0.535186088 | 0.623663587 | 0.025480594 | -1.563747302 | -1.538266708 |
| Gmnn | -0.562490432 | -0.420601364 | -2.280590992 | -0.090529139 | 0.245904756 | 0.155375618 | 0.051359929 | -1.614084871 | -1.562724942 |
| Fam98c | -0.318790283 | -0.884678809 | -2.026657446 | 0.011930163 | 0.51387161 | 0.525801773 | -0.553958364 | -0.628107027 | -1.182065391 |
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| Dnajc4 | -0.474658125 | -0.857380878 | -1.920683732 | -0.189100529 | 0.64042369 | 0.451323162 | -0.571823282 | -0.422879164 | -0.994702445 |
| Bex1 | -0.167862557 | -0.815073143 | -1.684450237 | 0.081294452 | 0.308780411 | 0.390074863 | -0.565916134 | -0.560596683 | -1.126512817 |
| Hist1h4d | -0.41412585 | -0.792735474 | -2.404847306 | -0.141572148 | 0.618589696 | 0.477017548 | -0.520181772 | -0.993522137 | -1.513703909 |
| Ddx26b | -0.491557456 | -1.128104151 | -2.320043557 | 0.058169872 | 0.538224095 | 0.596393967 | -0.578376824 | -0.653715311 | -1.232092135 |
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| Fam92a | -0.025303632 | -0.300427343 | -1.829154301 | 0.326511728 | 0.493430218 | 0.819941947 | 0.051388017 | -1.035296739 | -0.983908722 |
| Rps6ka6 | 0.310917867 | -0.561629117 | -2.05602948 | 0.527958081 | 0.78833389 | 1.316291971 | -0.344588903 | -0.706066472 | -1.050655376 |
| Serpinb6a | 0.419214097 | 0.362961628 | -1.668563421 | -0.448897877 | 1.27525063 | 0.826352753 | -0.505150346 | -0.75627442 | -1.261424766 |
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| Tarsl2 | -0.641774326 | -1.751954259 | -2.581619206 | 0.941567154 | 0.28378741 | 1.225354564 | -0.168612779 | -0.545877537 | -0.714490316 |
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| Fundc1 | -1.031811438 | -1.33463757 | -2.508059887 | 0.624879408 | 0.538062362 | 1.16294177 | 0.322053277 | -0.635359955 | -0.313306679 |
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| Mosc2 | -0.893427831 | -1.029047319 | -2.296382838 | 0.42977123 | 0.631499981 | 1.061271211 | 0.294151743 | -0.635835539 | -0.341683796 |
| Vrk2 | -0.677011586 | -1.229788362 | -2.059073519 | 0.50052003 | 0.309531714 | 0.810051744 | -0.052256747 | -0.519753442 | -0.572010189 |
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| Ssr2 | -0.287846503 | -0.325549485 | -1.838257875 | 0.280277648 | 0.839363193 | 1.119640842 | 0.242574666 | -0.673345197 | -0.430770531 |
| Dnajc19 | -0.457907872 | -0.497165906 | -1.73968197 | 0.353301517 | 0.697898362 | 1.051199878 | 0.314043482 | -0.544617703 | -0.23057422 |
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| Mcee | -0.50169176 | -0.495246637 | -1.984428163 | 0.369531669 | 0.598895451 | 0.968427121 | 0.375976793 | -0.890286075 | -0.514309283 |
| Spcs3 | -0.114578362 | -0.602006328 | -1.506952248 | 0.704632425 | 0.346536422 | 1.051168847 | 0.217204459 | -0.558409498 | -0.341205039 |
| Rnf4 | -0.12986341 | -0.255873731 | -1.334952767 | 0.495908114 | 0.519664038 | 1.015572152 | 0.369897793 | -0.559414999 | -0.189517205 |
| Pcx | -0.048589045 | -0.66664662 | -1.642981963 | 0.428411397 | 0.649642335 | 1.078053732 | -0.189646177 | -0.326693008 | -0.516339186 |
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| Zfp622 | -0.363549579 | -0.509232586 | -1.553833858 | 0.297750739 | 0.865172227 | 1.162922966 | 0.152067732 | -0.179429046 | -0.027361313 |
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| Sumo1 | -0.329773364 | -0.203003965 | -1.445805285 | 0.443728006 | 0.790434553 | 1.234162559 | 0.570497404 | -0.452366766 | 0.118130638 |
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| Stt3a | 0.106140393 | -0.075804215 | -1.543413239 | 0.408015711 | 0.764543874 | 1.172559586 | 0.226071103 | -0.70306515 | -0.476994047 |
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| Chmp2b | 0.091656727 | -0.57732584 | -1.691698509 | 0.699357885 | 0.963110486 | 1.66246837 | 0.030375318 | -0.151262183 | -0.120886866 |
| Tuba3a | 0.286498948 | -0.653818899 | -1.738824156 | 0.969546398 | 0.800237592 | 1.769783989 | 0.029228551 | -0.284767666 | -0.255539115 |
| Paip2b | 0.29788953 | -0.204198959 | -1.97318867 | 0.639857861 | 1.252978345 | 1.892836206 | 0.137769371 | -0.516011366 | -0.378241995 |
| Vhl | 0.353042154 | -0.275179475 | -1.627050003 | 0.698197952 | 1.084113201 | 1.782311153 | 0.069976324 | -0.267757327 | -0.197781004 |
| Myl6b | -0.322482932 | -0.95311068 | -1.811598459 | -0.119939025 | 1.245101456 | 1.125162431 | -0.750566772 | 0.386613676 | -0.363953096 |
| Dbil5 | -0.220943715 | -0.865016219 | -1.769259659 | 0.185042981 | 1.338780902 | 1.523823883 | -0.459029523 | 0.434537463 | -0.024492061 |
| 2410076I21Rik | -0.223775711 | -0.633167202 | -1.393496097 | 0.056829589 | 0.925458085 | 0.982287674 | -0.352561903 | 0.16512919 | -0.187432713 |
| Erp44 | -0.232195582 | -0.616523794 | -1.515516156 | 0.259660381 | 0.820762678 | 1.080423059 | -0.124667831 | -0.078229684 | -0.202897515 |
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| Gtf2a2 | -0.296252835 | -0.191515186 | -1.46976069 | 0.038233954 | 0.741179522 | 0.779413476 | 0.142971602 | -0.537065982 | -0.394094379 |
| Ykt6 | -0.019352741 | -0.123424312 | -1.370928246 | 0.219510781 | 0.656596457 | 0.876107238 | 0.11543921 | -0.590907477 | -0.475468267 |
| Snrpb2 | -0.271351964 | -0.267524392 | -1.435828656 | 0.226839364 | 0.676189467 | 0.903028831 | 0.230666936 | -0.492114797 | -0.261447861 |
| Immp1l | -0.122182478 | -0.35377312 | -1.425043439 | 0.291034753 | 0.68907927 | 0.980114023 | 0.05944411 | -0.382191048 | -0.322746938 |
| Cdk11b | -0.024134444 | 0.162575165 | -1.457887823 | -0.205536154 | 1.021582565 | 0.81604641 | -0.018826545 | -0.598880423 | -0.617706969 |
| Mpv17l2 | -0.212034687 | 0.060339728 | -1.650817948 | -0.039663551 | 1.115152272 | 1.075488721 | 0.232710865 | -0.596005404 | -0.363294539 |
| Csnk2b | -0.285391846 | 0.019907908 | -1.464652972 | -0.047080385 | 0.986093717 | 0.939013333 | 0.25821937 | -0.498467163 | -0.240247794 |
| Atp6v1g1 | -0.359407214 | 0.071502504 | -1.528857761 | -0.027146876 | 1.169684383 | 1.142537507 | 0.403762842 | -0.430675882 | -0.02691304 |
| Nhp2l1 | -0.173119883 | -0.080740994 | -1.556612339 | 0.220331403 | 0.892274774 | 1.112606177 | 0.312710293 | -0.583596571 | -0.270886279 |
| Taf12 | 0.010950989 | 0.035297584 | -1.593004095 | 0.213525138 | 1.030072805 | 1.243597943 | 0.237871732 | -0.598228874 | -0.360357141 |
| Suv420h2 | 0.048442084 | 0.050100097 | -1.663233732 | 0.161092381 | 1.33797779 | 1.499070171 | 0.162750394 | -0.375356039 | -0.212605645 |
| Ergic3 | 0.128998475 | 0.154003408 | -1.411900487 | 0.230944304 | 1.257462832 | 1.488407137 | 0.255949237 | -0.308441062 | -0.052491825 |
| Pdrg1 | -0.1265287 | -0.320007625 | -1.563972158 | 0.011872165 | 1.309810867 | 1.321683032 | -0.18160676 | 0.065846334 | -0.115760426 |
| Chid1 | 0.078789828 | -0.241285426 | -1.716560242 | 0.051938798 | 1.574336628 | 1.626275427 | -0.268136455 | 0.099061812 | -0.169074643 |
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| Cinp | -0.299874757 | -0.348804723 | -2.125209273 | 0.091113929 | 0.980181478 | 1.071295408 | 0.042183964 | -0.796223071 | -0.754039107 |
| Syce2 | -0.781742287 | -0.647142896 | -2.628768418 | 0.091904304 | 1.009173142 | 1.101077446 | 0.226503695 | -0.97245238 | -0.745948685 |
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| Smox | -0.675573626 | -1.073555658 | -1.983274535 | 0.299429746 | 0.291382005 | 0.590811751 | -0.098552286 | -0.618336871 | -0.716889157 |
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| Casp6 | -0.80720049 | -1.294295155 | -1.660206067 | 0.753263444 | -0.346946452 | 0.406316992 | 0.266168779 | -0.712857364 | -0.446688585 |
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| Lmo1 | 1.21905095 | 1.911190052 | -0.446692946 | 0.769726513 | 1.267171705 | 2.036898218 | 1.461865616 | -1.090711293 | 0.371154323 |
| Xlr4a | 1.719238757 | -0.788689381 | -3.839265241 | 0.95916924 | 2.85587529 | 3.81504453 | -1.548758898 | -0.194700569 | -1.743459467 |
| Xlr4b | 1.799370294 | -0.734809766 | -3.303322313 | 0.660780423 | 2.891173848 | 3.551954271 | -1.873399637 | 0.322661301 | -1.550738336 |
| Xlr | -1.142625881 | -2.546150351 | -3.053136842 | 0.784521683 | 2.092613627 | 2.877135311 | -0.619002787 | 1.585627136 | 0.966624349 |
| Tex16 | -0.382912921 | -1.247030192 | -2.833481653 | 1.171668789 | 2.212832435 | 3.384501224 | 0.307551518 | 0.626380974 | 0.933932492 |
| 4933427D06Rik | 0.20204958 | -1.026491577 | -2.011870074 | 1.171668789 | 2.218962345 | 3.390631134 | -0.056872368 | 1.233583848 | 1.17671148 |
| Hfm1 | -0.164025669 | -1.139745284 | -2.153652285 | 1.423756747 | 1.779404148 | 3.203160895 | 0.448037133 | 0.765497146 | 1.213534279 |
| Ccnb1ip1 | -0.225363975 | -1.402098836 | -1.907097071 | 1.409676876 | 1.660819738 | 3.070496614 | 0.232942015 | 1.155821503 | 1.388763517 |
| Pparg | -0.586639253 | -1.415036885 | -4.407533013 | 0.660198311 | 2.303208904 | 2.963407215 | -0.168199321 | -0.689287224 | -0.857486545 |
| Ndufa1 | -0.963854691 | -0.940367687 | -3.389448776 | 0.251242482 | 1.843936547 | 2.095179029 | 0.274729486 | -0.605144541 | -0.330415055 |
| Dmc1 | -0.877470139 | -1.849681059 | -4.280602497 | 1.299082842 | 1.996948393 | 3.296031235 | 0.326871922 | -0.433973045 | -0.107101123 |
| Smc1b | -0.716494427 | -1.741193294 | -3.552825733 | 1.771391046 | 1.311523024 | 3.08291407 | 0.746692179 | -0.500109415 | 0.246582764 |
| Zfp672 | 0.004590973 | -1.57515687 | -3.645800176 | 1.084925146 | 2.638775354 | 3.723700501 | -0.494822696 | 0.568132048 | 0.073309352 |
| Rhox13 | 0.42758161 | -1.093064813 | -3.406843906 | 0.881277484 | 2.770781774 | 3.652059258 | -0.639368939 | 0.457002682 | -0.182366257 |
| Ugt8a | 0.256732675 | -1.218758255 | -3.452584007 | 1.659444685 | 1.955778885 | 3.61522357 | 0.183953754 | -0.278046866 | -0.094093112 |
| Ccdc79 | -0.176456385 | -1.020182987 | -3.84345992 | 1.171668789 | 2.637848201 | 3.80951699 | 0.327942187 | -0.185428732 | 0.142513455 |
| 1700123I01Rik | -0.382912921 | -1.341670798 | -4.094394409 | 1.266309394 | 2.794142085 | 4.060451479 | 0.307551518 | 0.041418473 | 0.348969991 |
| Prdm9 | -0.382912921 | -0.606365832 | -3.605522262 | 0.531004429 | 3.040574903 | 3.571579332 | 0.307551518 | 0.041418473 | 0.348969991 |
| Rad51ap2 | -0.382912921 | -0.021403332 | -3.121470522 | -0.053958072 | 3.141485663 | 3.087527592 | 0.307551518 | 0.041418473 | 0.348969991 |
| BC051142 | -0.382912921 | -0.021403332 | -3.036019958 | -0.053958072 | 2.474217227 | 2.420259155 | 0.307551518 | -0.5403994 | -0.232847882 |
| Msh5 | -0.386133671 | -0.189047217 | -2.811376345 | 0.321327143 | 2.246428986 | 2.567756128 | 0.518413597 | -0.375900143 | 0.142513455 |
| Haus8 | 0.217689823 | -0.060296238 | -2.625898461 | 0.169199482 | 2.372090439 | 2.541289921 | -0.10878658 | -0.193511785 | -0.302298364 |
| Spryd3 | 0.054423651 | -0.647957133 | -2.753117026 | 0.391130525 | 1.857661338 | 2.248791864 | -0.311250259 | -0.247498555 | -0.558748813 |
| Gm4349 | -0.027445769 | -0.606365832 | -2.599933728 | 0.30150908 | 2.034986369 | 2.336495449 | -0.277410983 | 0.041418473 | -0.23599251 |
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| Ddb2 | -0.21671336 | -0.895418894 | -3.33007153 | 0.734146067 | 2.15041353 | 2.884559597 | 0.055440532 | -0.284239105 | -0.228798573 |
| BC049762 | -0.151525479 | -1.175671294 | -3.538373543 | 0.82700571 | 2.404120722 | 3.231126432 | -0.197140104 | 0.041418473 | -0.155721631 |
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| 6330409N04Rik | -0.527956762 | -1.168838093 | -2.525982231 | 0.761872061 | 1.643358927 | 2.405230988 | 0.12099073 | 0.286214788 | 0.407205518 |
| Cyld | -0.518555425 | -1.307714228 | -2.588565231 | 0.817315326 | 1.737306976 | 2.554622301 | 0.028156522 | 0.456455972 | 0.484612495 |
| 4933406J08Rik | -0.382912921 | -1.290242696 | -2.946260745 | 0.856765997 | 1.695643993 | 2.55240999 | -0.050563778 | 0.039625944 | -0.010937834 |
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| Afmid | -0.176456385 | -1.131468252 | -2.761413358 | 1.056106849 | 1.671363579 | 2.727470428 | 0.101094982 | 0.041418473 | 0.142513455 |
| Stk33 | -0.382912921 | -0.606365832 | -2.548249307 | 0.531004429 | 1.983301948 | 2.514306377 | 0.307551518 | 0.041418473 | 0.348969991 |
| Lamb2 | -0.586639253 | -0.904621047 | -2.753387194 | 0.64592398 | 1.663337415 | 2.309261396 | 0.327942187 | -0.185428732 | 0.142513455 |
| Madd | -0.385160717 | -0.847082387 | -2.532259589 | 0.628606704 | 1.726595676 | 2.35520238 | 0.166685034 | 0.041418473 | 0.208103507 |
| Syce1 | -0.332500876 | -0.875917977 | -2.412478844 | 0.836288769 | 1.587230665 | 2.423519433 | 0.292871668 | 0.050669797 | 0.343541465 |
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| Rhox7 | -0.710429433 | -1.743511494 | -2.816574641 | 0.266274337 | 1.804672088 | 2.070946425 | -0.766807724 | 0.731608941 | -0.035198784 |
| Hist1h4c | 0.283478323 | -0.612076501 | -2.369649789 | -0.092904139 | 1.793887301 | 1.700983163 | -0.988458963 | 0.036314013 | -0.95214495 |
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| Hprt | -0.488611084 | -0.869971269 | -2.579301656 | 0.402412772 | 1.212513025 | 1.614925797 | 0.021052587 | -0.496817363 | -0.475764776 |
| Fam83g | -0.296753817 | -0.680667388 | -2.380114204 | 0.28337789 | 1.325827789 | 1.609205679 | -0.100535681 | -0.373619026 | -0.474154707 |
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| Tgfbr1 | -0.235514746 | -1.070155296 | -2.04212323 | 0.894412009 | 0.77442764 | 1.668839649 | 0.059771459 | -0.197540294 | -0.137768834 |
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| Rbmx2 | -0.301561859 | -0.828028589 | -2.487926601 | 0.735044401 | 1.428406169 | 2.163450569 | 0.208577671 | -0.231491843 | -0.022914172 |
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| Gins3 | 0.071225063 | -0.526720483 | -2.169746327 | 0.308612008 | 1.604798967 | 1.913410975 | -0.289333538 | -0.038226876 | -0.327560414 |
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| Cenpk | -0.187439125 | -0.513873321 | -1.958849754 | 0.537481952 | 1.292960122 | 1.830442074 | 0.211047757 | -0.152016311 | 0.059031445 |
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| Phospho2 | -0.007421374 | -0.819395771 | -1.936575539 | 1.020719504 | 1.198931728 | 2.219651232 | 0.208745107 | 0.08175196 | 0.290497067 |
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| Hspb11 | -0.880489466 | -1.030977747 | -1.838078649 | 0.412129138 | 1.419063484 | 1.831192622 | 0.261640858 | 0.611962582 | 0.87360344 |
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| Cdkl2 | 0.342916064 | -0.436440831 | -1.398286974 | 0.946041928 | 1.534747641 | 2.480789569 | 0.166685034 | 0.572901498 | 0.739586532 |
| Angel1 | 0.117131373 | -0.428678777 | -1.201007964 | 0.948934677 | 1.343544775 | 2.292479452 | 0.403124527 | 0.571215589 | 0.974340116 |
| Tcfcp2 | -0.031467627 | -0.249005018 | -1.072894579 | 0.806277773 | 1.421373393 | 2.227651166 | 0.588740382 | 0.597483832 | 1.186224214 |
| Ptpra | -0.166509993 | -0.240998091 | -1.381078598 | 0.812721167 | 1.354812095 | 2.167533262 | 0.738233068 | 0.214731588 | 0.952964656 |
| Zcwpw1 | -0.299242091 | -0.603150484 | -1.400162484 | 0.975817396 | 1.21989044 | 2.195707836 | 0.671909003 | 0.42287844 | 1.094787443 |
| Zhx1 | -0.208133289 | -0.432044887 | -1.498429421 | 0.946500616 | 1.524005848 | 2.470506463 | 0.722589017 | 0.457621313 | 1.18021033 |
| Selk | -0.211247374 | -0.444276889 | -1.880464065 | 0.538212035 | 2.308566521 | 2.846778557 | 0.305182521 | 0.872379345 | 1.177561866 |
| Serpinf1 | 0.092812704 | -0.22545377 | -2.066157068 | 0.859176403 | 2.177327465 | 3.036503868 | 0.540909928 | 0.336624167 | 0.877534095 |
| 4930455F23Rik | 0.17323651 | -0.146379465 | -1.608189025 | 0.914687627 | 1.999310802 | 2.913998429 | 0.595071653 | 0.537501242 | 1.132572894 |
| Eaf2 | -0.267428134 | -0.432044887 | -2.258180969 | 0.356683484 | 2.088614004 | 2.445297488 | 0.192066731 | 0.262477922 | 0.454544653 |
| Zfp541 | -0.382912921 | -0.606365832 | -2.161119888 | 0.531004429 | 2.008876518 | 2.539880947 | 0.307551518 | 0.454122463 | 0.76167398 |
| Atf7ip2 | -0.324612486 | -0.990673308 | -2.075508972 | 0.565341877 | 1.727316342 | 2.292658219 | -0.100718944 | 0.642480677 | 0.541761733 |
| 1700048O20Rik | -0.397774292 | -0.828758254 | -1.682072382 | 0.431468756 | 1.702087523 | 2.133556279 | 0.000484794 | 0.848773395 | 0.849258189 |
| Pigp | -0.06440341 | -0.678769093 | -1.845738363 | 0.883448818 | 1.663966833 | 2.547415651 | 0.269083135 | 0.496997563 | 0.766080698 |
| Tnip2 | -0.284612409 | -0.828758254 | -1.683715482 | 0.753396851 | 1.769148096 | 2.522544947 | 0.209251005 | 0.914190867 | 1.123441873 |
| Cd47 | 0.090126977 | -0.863581909 | -1.311711999 | 0.470489637 | 1.37423083 | 1.844720467 | -0.483219249 | 0.92610074 | 0.442881491 |
| Ddx43 | 0.591089551 | -0.201382154 | -1.109296716 | 0.653773256 | 1.596549467 | 2.250322724 | -0.138698449 | 0.688634905 | 0.549936456 |
| Cox8c | 0.414991248 | -0.145255108 | -0.754437861 | 0.382646124 | 1.56545116 | 1.948097283 | -0.177600232 | 0.956268406 | 0.778668174 |
| 2810001G20Rik | -0.059716544 | -0.273449557 | -1.360987029 | 0.495770098 | 1.87819188 | 2.373961978 | 0.282037085 | 0.790654408 | 1.072691494 |
| Slc25a14 | -0.063078811 | -0.300640541 | -1.18712653 | 0.452525895 | 1.899189354 | 2.351715249 | 0.214964165 | 1.012703364 | 1.22766753 |
| Arpc1a | -0.50995491 | -0.351860516 | -1.268889685 | 0.163909125 | 1.739078725 | 1.90298785 | 0.322003519 | 0.822049557 | 1.144053076 |
| 4933421E11Rik | -0.171788761 | -0.552552977 | -1.385033028 | 0.55677653 | 1.504245598 | 2.061022128 | 0.176012314 | 0.671765547 | 0.847777861 |
| Tspyl2 | -0.194450832 | -0.35191166 | -1.243149782 | 0.576039722 | 1.533796135 | 2.109835857 | 0.418578894 | 0.642558013 | 1.061136907 |
| 1600016N20Rik | -0.022943629 | 0.321276423 | -1.669256708 | 0.049142223 | 1.952306255 | 2.001448478 | 0.393362275 | -0.038226876 | 0.355135399 |
| Dnajb11 | -0.007767408 | -0.150899733 | -1.677795289 | 0.425353952 | 1.491988133 | 1.917342085 | 0.282221627 | -0.034907423 | 0.247314204 |
| Chchd6 | -0.055412994 | -0.081995094 | -1.482655436 | 0.22497832 | 1.624376313 | 1.849354633 | 0.198396221 | 0.22371597 | 0.422112191 |
| Dcps | -0.272731803 | -0.546274879 | -1.676551923 | 0.492929509 | 1.487405447 | 1.980334956 | 0.219386434 | 0.357128402 | 0.576514836 |
| Fxc1 | -0.332719882 | -0.460493053 | -1.853092799 | 0.319060832 | 1.571891841 | 1.890952672 | 0.191287661 | 0.179292094 | 0.370579755 |
| Slc25a17 | -0.225943071 | -0.305119771 | -1.689593231 | 0.411951332 | 1.5534284 | 1.965379733 | 0.332774632 | 0.168954941 | 0.501729573 |
| 5730494M16Rik | 0.172118597 | -0.300162187 | -1.600023086 | 0.683598714 | 1.77380495 | 2.457403664 | 0.21131793 | 0.473944051 | 0.685261981 |
| Tmem129 | 0.100431823 | -0.137753236 | -1.793975696 | 0.624869317 | 1.936745711 | 2.561615028 | 0.386684258 | 0.280523251 | 0.667207509 |
| 1810043G02Rik | 0.20204958 | -0.177093132 | -1.415563553 | 0.605305985 | 1.512347281 | 2.117653266 | 0.226163273 | 0.27387686 | 0.500040133 |
| Ecsit | 0.178146739 | -0.067282456 | -1.732922066 | 0.44637923 | 1.778625217 | 2.225004447 | 0.200950035 | 0.112985607 | 0.313935643 |
| Ppfibp1 | 0.274201436 | -0.095704887 | -1.763895803 | 0.605305985 | 1.709609389 | 2.314915374 | 0.235399662 | 0.041418473 | 0.276818135 |
| Med7 | -0.168117944 | -0.643975162 | -1.481120125 | 0.34010496 | 1.234042348 | 1.574147308 | -0.135752257 | 0.396897385 | 0.261145128 |
| Pigf | -0.078986938 | -0.415503962 | -1.298157083 | 0.24362996 | 1.16457174 | 1.4082017 | -0.092887064 | 0.281918619 | 0.189031555 |
| Abhd12 | -0.228007452 | -0.441466156 | -1.419843842 | 0.527941569 | 0.904390256 | 1.432331824 | 0.314482865 | -0.07398743 | 0.240495434 |
| Ttc35 | -0.149666674 | -0.310774041 | -1.531497861 | 0.470155012 | 1.045537694 | 1.515692707 | 0.309047645 | -0.175186126 | 0.133861519 |
| Ddrgk1 | -0.351009002 | -0.464138908 | -1.320076424 | 0.39958316 | 1.054200106 | 1.453783266 | 0.286453254 | 0.19826259 | 0.484715844 |
| Vti1b | -0.121342345 | -0.167416209 | -1.148437142 | 0.385046707 | 1.061650664 | 1.446697371 | 0.338972843 | 0.080629731 | 0.419602574 |
| Papolg | -0.147005809 | -0.750067184 | -1.254664895 | 0.829960544 | 0.849372219 | 1.679332763 | 0.226899169 | 0.344774507 | 0.571673676 |
| Cog6 | 0.03685313 | -0.425192614 | -1.04145774 | 0.732653194 | 0.910921882 | 1.643575077 | 0.27060745 | 0.294656756 | 0.565264207 |
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| Phf7 | 0.115205019 | -0.460693116 | -1.058486476 | 0.492560114 | 1.212801211 | 1.705361325 | -0.083338021 | 0.615007851 | 0.53166983 |
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| Exd2 | 0.211763097 | -0.019947655 | -0.855277171 | 0.848797307 | 0.973676057 | 1.822473364 | 0.617086555 | 0.138346541 | 0.755433096 |
| Cgrrf1 | 0.161591696 | -0.11126494 | -1.058979995 | 0.912681741 | 1.204062392 | 2.116744133 | 0.639825105 | 0.256347336 | 0.896172442 |
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| Sycp2 | 0.196077023 | 0.037479931 | -1.024749256 | 1.032961414 | 2.499663596 | 3.53262501 | 0.874364322 | 1.437434409 | 2.311798731 |
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| Ppp3cc | -0.285100919 | -1.142607535 | -1.934852831 | 1.832481126 | 1.461365311 | 3.293846437 | 0.97497451 | 0.669120015 | 1.644094526 |
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| Txnrd3 | -0.337651583 | -0.452307566 | 0.42588917 | 0.713865786 | 0.376286199 | 1.090151984 | 0.599209803 | 1.254482934 | 1.853692737 |
| Dennd5a | -0.536149983 | -0.633700753 | 0.064348222 | 0.799061612 | 0.242799156 | 1.041860769 | 0.701510842 | 0.940848132 | 1.642358974 |
| Abcb6 | -0.608696273 | -0.632182745 | 0.244775563 | 0.905128858 | 0.196792872 | 1.10192173 | 0.881642386 | 1.073751181 | 1.955393567 |
| AU022751 | -0.646182382 | -0.11330264 | 0.258652959 | 0.884382597 | 0.287014466 | 1.171397063 | 1.417262338 | 0.658970065 | 2.076232403 |
| Tex14 | -0.218395626 | -0.330968784 | 0.140181326 | 0.913281579 | 0.271952162 | 1.18523374 | 0.800708421 | 0.743102272 | 1.543810693 |
| Scaper | 0.055244481 | -0.094920996 | 0.245536396 | 1.049009715 | 0.533692019 | 1.582701734 | 0.898844238 | 0.874149411 | 1.772993649 |
| Nae1 | -0.524010921 | -0.699748699 | -0.313699662 | 0.922928076 | 0.43772229 | 1.360650366 | 0.747190298 | 0.823771327 | 1.570961625 |
| Mov10l1 | -0.292357754 | -0.509263455 | -0.024893669 | 0.759631084 | 0.778904642 | 1.538535726 | 0.542725382 | 1.263274428 | 1.805999811 |
| Rac3 | -0.561222351 | -0.677615158 | 0.062366738 | 0.766922105 | 0.69370836 | 1.460630465 | 0.650529297 | 1.433690256 | 2.084219553 |
| Bloc1s1 | -0.5203109 | -0.100613033 | -0.134084469 | 0.346581174 | 1.063564237 | 1.410145411 | 0.766279041 | 1.030092802 | 1.796371843 |
| Eps15 | -0.217254013 | 0.006416152 | -0.037559266 | 0.638842162 | 0.812646064 | 1.451488225 | 0.862512327 | 0.768670645 | 1.631182972 |
| Hdac6 | -0.387433722 | -0.495142153 | -0.315296311 | 0.84043384 | 0.958973273 | 1.799407112 | 0.732725409 | 1.138819114 | 1.871544523 |
| Chic2 | -0.252957026 | -0.230946431 | -0.142732534 | 0.895762422 | 0.848999855 | 1.744762277 | 0.917773018 | 0.937213751 | 1.854986769 |
| Fam176b | -0.904706861 | 0.37658099 | 0.609678534 | 0.289552546 | 0.069638062 | 0.359190608 | 1.570840397 | 0.302735607 | 1.873576003 |
| Ddx4 | -0.381824731 | -0.295577105 | 0.302329523 | 0.867303859 | -0.201130629 | 0.66617323 | 0.953551485 | 0.396775999 | 1.350327485 |
| Gnb4 | -0.001505573 | 0.330563128 | 0.950537835 | 0.786103614 | -0.038265752 | 0.747837862 | 1.118172314 | 0.581708956 | 1.69988127 |
| 1700019E19Rik | -0.285632425 | -0.018638932 | 0.590367656 | 0.373952438 | 0.585171247 | 0.959123685 | 0.640945931 | 1.194177835 | 1.835123766 |
| Rnf114 | -0.221002925 | -0.063969787 | 0.330869857 | 0.58148835 | 0.477111714 | 1.058600064 | 0.738521488 | 0.871951358 | 1.610472847 |
| Pigx | -0.16187937 | -0.016915465 | 0.359001733 | 0.514851556 | 0.65721462 | 1.172066176 | 0.65981546 | 1.033131818 | 1.692947279 |
| Rps27 | -0.443899333 | 0.052643382 | 0.899415346 | 0.155527587 | 0.57349336 | 0.729020947 | 0.652070303 | 1.420265324 | 2.072335627 |
| 2310003H01Rik | -0.532938703 | -0.386251214 | 0.837235383 | 0.679734809 | 0.036259042 | 0.715993851 | 0.826422298 | 1.259745638 | 2.086167937 |
| Trim68 | -0.395859815 | -0.505617246 | 0.704353362 | 0.507630505 | 0.364812714 | 0.872443219 | 0.397873074 | 1.574783322 | 1.972656396 |
| Bcas3 | -0.384515301 | -0.384419049 | 0.910166893 | 0.595612945 | 0.290034413 | 0.885647358 | 0.595709197 | 1.584620354 | 2.180329552 |
| Dync1li1 | -0.13431928 | -0.08325841 | 0.985800039 | 0.560565039 | -0.138172628 | 0.422392411 | 0.61162591 | 0.93088582 | 1.54251173 |
| Hadhb | -0.088216878 | 0.003303846 | 0.983458598 | 0.41227837 | 0.05341316 | 0.46569153 | 0.503799093 | 1.033567913 | 1.537367006 |
| Asz1 | -0.132188106 | -0.25392594 | 0.935703695 | 0.266008263 | 0.248840845 | 0.514849108 | 0.144270429 | 1.43847048 | 1.582740909 |
| Bin3 | -0.329687245 | 0.03106449 | 1.068238914 | 0.142601613 | 0.28692518 | 0.429526793 | 0.503353348 | 1.324099604 | 1.827452952 |
| Ccdc21 | -0.009324871 | 0.067657379 | 1.198132123 | 0.27677651 | 0.183446331 | 0.460222841 | 0.353758761 | 1.313921075 | 1.667679835 |
| Piwil2 | -0.250854907 | -0.443222356 | 1.045559994 | 0.530134872 | -0.050744046 | 0.479390826 | 0.337767423 | 1.438038304 | 1.775805727 |
| Fyttd1 | -0.259311627 | -0.14947599 | 1.194757258 | 0.515420841 | -0.013144157 | 0.502276684 | 0.625256479 | 1.33108909 | 1.956345569 |
| Rab3gap2 | -0.162573821 | -0.140008313 | 1.183066917 | 0.470663285 | 0.14318761 | 0.613850895 | 0.493228793 | 1.46626284 | 1.959491633 |
| Apoo-ps | 1.074552833 | -0.634365239 | -0.57699402 | 2.503154845 | 0.477321124 | 2.980475968 | 0.794236772 | 0.534692343 | 1.328929115 |
| 1700025K23Rik | 0.720187374 | 0.831369259 | -0.438582887 | 0.147907146 | 1.973784929 | 2.121692075 | 0.259089031 | 0.703832783 | 0.962921814 |
| Ift74 | 0.333009103 | 0.240786767 | -0.109838381 | 0.426108468 | 1.156405749 | 1.582514217 | 0.333886133 | 0.805780601 | 1.139666734 |
| Dync2li1 | 0.403828015 | 0.1708343 | -0.552685411 | 0.773929223 | 1.275804783 | 2.049734006 | 0.540935508 | 0.552285073 | 1.093220581 |
| Ctsl | 0.210328839 | 0.635297639 | -0.515530633 | 0.56074628 | 1.362974775 | 1.923721056 | 0.98571508 | 0.212146503 | 1.197861583 |
| Gm13718 | -0.253853019 | -0.438705699 | -0.464615124 | 0.814332293 | 1.404247734 | 2.218580027 | 0.629479613 | 1.378338309 | 2.007817922 |
| 4930447C04Rik | -0.280261489 | -0.423951862 | -0.532698059 | 0.846659724 | 1.672326341 | 2.518986065 | 0.702969352 | 1.563580144 | 2.266549496 |
| Pgm2l1 | 0.283101873 | 0.19321214 | -0.27175805 | 0.877229205 | 1.403573676 | 2.280802881 | 0.787339473 | 0.938603486 | 1.725942958 |
| Taf9b | 0.608705025 | 0.105029222 | -0.020384639 | 0.995230541 | 1.501800262 | 2.497030803 | 0.491554738 | 1.376386402 | 1.86794114 |
| Tcn2 | 0.339191303 | 0.830282041 | 0.42024114 | 0.681346894 | 1.499782237 | 2.18112913 | 1.172437632 | 1.089741336 | 2.262178968 |
| G6pc3 | 0.069990043 | 0.453907674 | 0.236464335 | 0.398774114 | 1.234851173 | 1.633625287 | 0.782691745 | 1.017407834 | 1.800099579 |
| A930001N09Rik | -0.168459371 | 0.070895325 | 0.265895487 | 0.267970023 | 1.399424679 | 1.667394703 | 0.50732472 | 1.594424841 | 2.101749561 |
| Gstm5 | 0.117398666 | 0.091485138 | 0.258660848 | 0.658102798 | 1.309411521 | 1.967514319 | 0.632189269 | 1.476587231 | 2.108776501 |
| Pfn2 | 0.288147755 | 0.510438745 | -0.029573908 | 1.038249858 | 0.566195538 | 1.604445396 | 1.260540849 | 0.026182885 | 1.286723733 |
| Hdgfrp3 | -0.039399469 | -0.017446514 | -0.161825624 | 1.343268863 | 0.754390183 | 2.097659046 | 1.365221819 | 0.610011072 | 1.975232891 |
| Cdkn2a | -0.264656403 | 0.447060155 | -1.252159593 | 0.63574189 | 1.806868646 | 2.442610536 | 1.347458448 | 0.107648898 | 1.455107346 |
| Gchfr | -0.263135801 | 0.218876662 | -0.869167932 | 1.29409299 | 1.371097769 | 2.665190759 | 1.776105453 | 0.283053175 | 2.059158628 |
| Hspa4l | -0.112400687 | -0.40643259 | -0.736100206 | 1.252571738 | 0.69903023 | 1.951601968 | 0.958539835 | 0.369362614 | 1.327902449 |
| Zfp667 | -0.030786146 | -0.28074863 | -0.808339319 | 0.947690404 | 1.053767927 | 2.001458331 | 0.69772792 | 0.526177239 | 1.223905158 |
| Jam3 | 0.139042814 | -0.313713934 | -0.886520823 | 1.159560014 | 1.045843606 | 2.20540362 | 0.706803267 | 0.473036716 | 1.179839983 |
| Phf8 | -0.002167964 | -0.755557065 | -1.07669226 | 0.893479223 | 1.312791617 | 2.206270839 | 0.140090121 | 0.991656423 | 1.131746544 |
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| Sh3bgrl2 | 0.072178714 | -0.654322639 | -0.308015029 | 1.085559823 | 0.628430151 | 1.713989974 | 0.359058469 | 0.974737762 | 1.333796231 |
| Dcaf6 | 0.005491156 | -0.308532979 | -0.557698294 | 0.9061445 | 0.959940943 | 1.866085443 | 0.592120366 | 0.710775627 | 1.302895993 |
| 1110018J18Rik | -0.194889427 | -0.555027231 | -0.414490151 | 0.674371727 | 1.11741899 | 1.791790717 | 0.314233923 | 1.25795607 | 1.572189993 |
| Scml2 | -0.175687632 | -0.834011702 | -0.337363906 | 1.058683469 | 0.817692729 | 1.876376198 | 0.400359399 | 1.314340525 | 1.714699925 |
| 1810046J19Rik | -0.807304423 | -0.926519646 | -0.669673079 | 0.571413704 | 0.789735231 | 1.361148935 | 0.45219848 | 1.046581799 | 1.498780279 |
| Rhox1 | -0.699125394 | -0.849240637 | -0.864019012 | 0.600279444 | 0.915687295 | 1.515966738 | 0.450164201 | 0.900908919 | 1.35107312 |
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| Usp3 | -0.631676297 | -0.786635617 | -0.787181489 | 0.852713482 | 0.885649375 | 1.738362857 | 0.697754162 | 0.885103503 | 1.582857665 |
| Lrrc51 | -0.914115445 | -0.682492786 | -1.430645398 | 0.555716814 | 1.327402477 | 1.883119291 | 0.787339473 | 0.579249865 | 1.366589338 |
| Gpat2 | -0.588365687 | -0.76656512 | -1.334918655 | 0.696858847 | 1.417516328 | 2.114375174 | 0.518659413 | 0.849162793 | 1.367822206 |
| Brp44 | -0.526293887 | -0.276309816 | -0.745422133 | 0.581787252 | 1.177002697 | 1.758789949 | 0.831771323 | 0.70789038 | 1.539661703 |
| Lrrc42 | -0.637365478 | -0.517555205 | -1.037369614 | 0.526645299 | 1.416365165 | 1.943010464 | 0.646455573 | 0.896550755 | 1.543006328 |
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| Tmem9b | -0.187050081 | -0.728249185 | -0.931221464 | 1.052969128 | 0.848809011 | 1.901778138 | 0.511770024 | 0.645836732 | 1.157606755 |
| Sgsm3 | -0.34834498 | -0.521685182 | -0.948537909 | 0.608388244 | 1.076746277 | 1.685134521 | 0.435048042 | 0.64989355 | 1.084941592 |
| Spata5 | -0.442217813 | -0.591541599 | -0.980124422 | 0.764405257 | 1.09668756 | 1.861092817 | 0.615081471 | 0.708104737 | 1.323186208 |
| Fbxo7 | -0.281465168 | -0.561639364 | -0.899793733 | 0.869812088 | 1.030116604 | 1.899928692 | 0.589637892 | 0.691962236 | 1.281600127 |
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| Lcmt1 | -0.209258384 | -0.283039045 | -0.679330959 | 0.324163056 | 1.142519404 | 1.466682461 | 0.250382395 | 0.74622749 | 0.996609885 |
| Ttc3 | 0.002577406 | -0.34076099 | -0.636506592 | 0.772417225 | 0.756255601 | 1.528672826 | 0.429078829 | 0.460509999 | 0.889588828 |
| Ddx10 | -0.277270277 | -0.408028205 | -0.752684343 | 0.628905362 | 0.894489213 | 1.523394576 | 0.498147434 | 0.549833076 | 1.04798051 |
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| Sdhc | -0.217074687 | -0.223299271 | -0.489169241 | 0.620375105 | 0.927155582 | 1.547530687 | 0.614150521 | 0.661285612 | 1.275436133 |
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| Ccdc53 | -0.264022531 | -0.227243622 | -0.69209725 | 0.6270934 | 1.062085557 | 1.689178957 | 0.663872309 | 0.597231929 | 1.261104238 |
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| Snora7a | -0.756092035 | 1.580543613 | 1.75363006 | -0.831148226 | 1.453405178 | 0.622256952 | 1.505487423 | 1.626491624 | 3.131979047 |
| Kremen2 | -0.176456385 | 1.563853309 | 2.180215997 | -0.053958072 | 0.867889549 | 0.813931477 | 1.686351622 | 1.484252237 | 3.170603859 |
| Snord2 | -0.170875574 | 1.402206965 | 2.525235935 | -0.700572459 | 0.448271476 | -0.252300983 | 0.87251008 | 1.571300446 | 2.443810526 |
| Mir762 | -0.089538438 | 1.223589866 | 2.443830992 | -0.200387026 | 0.409954313 | 0.209567287 | 1.112741277 | 1.63019544 | 2.742936717 |
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| Snora3 | -0.197450323 | 1.697382671 | 2.163142811 | -0.593528743 | 1.131322541 | 0.537793798 | 1.301304251 | 1.59708268 | 2.898386931 |
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| Snap47 | 0.44030851 | 0.994907393 | 1.135525673 | 0.493672097 | 0.537029982 | 1.030702079 | 1.04827098 | 0.677648261 | 1.725919241 |
| Heatr1 | 0.152313822 | 0.543449673 | 1.527122866 | -0.169079323 | 0.168970154 | -0.000109169 | 0.222056527 | 1.152643347 | 1.374699874 |
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| Pnldc1 | -0.330271501 | 0.141613274 | 1.031732938 | 0.03700901 | 0.131036552 | 0.168045563 | 0.508893785 | 1.021156216 | 1.530050001 |
| Paip2 | -0.170389359 | 0.399687822 | 1.17573141 | 0.060200164 | 0.045690178 | 0.105890341 | 0.630277345 | 0.821733766 | 1.452011111 |
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| Stx6 | -0.116038117 | 0.170760992 | 1.523455988 | 0.306610242 | 0.122728792 | 0.429339034 | 0.59340935 | 1.475423789 | 2.068833139 |
| Fsd1 | 0.061532575 | 0.256809947 | 1.649182043 | 0.4463102 | -0.026396804 | 0.419913396 | 0.641587572 | 1.365975292 | 2.007562864 |
| Cd302 | -0.785665565 | 0.988178666 | 2.219621035 | 0.160156289 | -0.750927132 | -0.590770843 | 1.93400052 | 0.480515237 | 2.414515757 |
| Pdzk1 | -0.275994686 | 1.921099849 | 2.590475213 | -0.190032935 | 0.354629337 | 0.164596402 | 2.007061599 | 1.024004701 | 3.0310663 |
| Pou6f1 | -0.160506442 | 1.852476197 | 2.491794508 | -0.053958072 | 0.111796407 | 0.057838335 | 1.959024567 | 0.751114718 | 2.710139285 |
| Uchl1 | -0.062850742 | 1.685176089 | 2.768081957 | 0.033551458 | -0.029747682 | 0.003803776 | 1.781578289 | 1.053158186 | 2.834736475 |
| Lipa | 0.156102775 | 1.336600725 | 2.137964166 | 0.225004564 | 0.104728867 | 0.329733431 | 1.405502514 | 0.906092307 | 2.311594822 |
| 4632415K11Rik | 0.139042814 | 1.328284243 | 2.518970406 | 0.471144348 | -0.047227187 | 0.423917161 | 1.660385778 | 1.143458975 | 2.803844753 |
| Cacng6 | -0.176456385 | 1.201241213 | 1.942575283 | 0.531004429 | 0.077439858 | 0.608444287 | 1.908702027 | 0.818773928 | 2.727475956 |
| Fam134b | 0.018202752 | 1.470600221 | 1.727984353 | 0.675967569 | 0.107491155 | 0.783458724 | 2.128365038 | 0.364875288 | 2.493240326 |
| Tstd1 | 0.812811504 | 1.817539592 | 2.548469446 | 0.361079428 | 0.664305086 | 1.025384514 | 1.365807515 | 1.39523494 | 2.761042455 |
| Map3k15 | 0.752883198 | 0.875345713 | 2.206530539 | 0.782699118 | -0.130828425 | 0.651870693 | 0.905161633 | 1.2003564 | 2.105518033 |
| Serpini1 | 1.550859383 | 1.850200947 | 2.501297295 | 0.3465615 | 0.436897224 | 0.783458724 | 0.645903065 | 1.087993572 | 1.733896637 |
| Acbd7 | 0.779310598 | 1.811656468 | 2.089343695 | 0.054985355 | 0.346785517 | 0.401770872 | 1.087331225 | 0.624472744 | 1.711803969 |
| Dapk2 | 0.732571866 | 1.988390222 | 2.539038375 | 0.158366725 | 0.324417749 | 0.482784474 | 1.414185081 | 0.875065902 | 2.289250983 |
| Anxa2 | -0.401407479 | 1.359427727 | 1.805273283 | -0.500561034 | -0.153022608 | -0.653583642 | 1.260274171 | 0.292822949 | 1.55309712 |
| Actn2 | 0.139710159 | 1.852609212 | 2.519839144 | -0.293297203 | -0.627797021 | -0.921094224 | 1.419601849 | 0.039432911 | 1.459034761 |
| Usf1 | 0.028833032 | 1.520956629 | 2.353775034 | -0.478787986 | -0.317544217 | -0.796332203 | 1.013335611 | 0.515274187 | 1.528609798 |
| Igsf21 | 0.246578128 | 1.578297707 | 2.453431695 | -0.238401 | -0.288723165 | -0.527124165 | 1.093318578 | 0.586410823 | 1.679729402 |
| Rbm38 | 0.222082276 | 0.718880374 | 2.09331173 | 0.328903161 | -0.836962173 | -0.508059012 | 0.825701259 | 0.537469183 | 1.363170442 |
| Flywch1 | 0.171318592 | 1.066414592 | 2.351481176 | 0.020427873 | -0.634346437 | -0.613918564 | 0.915523873 | 0.650720147 | 1.56624402 |
| Pnpla7 | 0.166514254 | 0.950635996 | 2.52899974 | -0.225409113 | -0.427648308 | -0.653057421 | 0.55871263 | 1.150715436 | 1.709428066 |
| Ctdsp2 | -0.103961413 | 0.704153544 | 2.239643137 | 0.272735933 | -0.721560106 | -0.448824172 | 1.08085089 | 0.813929488 | 1.894780377 |
| Igsf11 | 0.121778701 | 0.988551061 | 2.356866865 | 0.225004564 | -0.361362897 | -0.136358333 | 1.091776924 | 1.006952907 | 2.098729831 |
| Cpt1a | 1.154424927 | 1.861956855 | 2.48448619 | 0.036315238 | -0.602472525 | -0.566157287 | 0.743847166 | 0.020056809 | 0.763903976 |
| Ppif | 0.744980579 | 1.947784927 | 2.23845814 | -0.116543506 | -0.344959065 | -0.461502571 | 1.086260842 | -0.054285852 | 1.03197499 |
| Kctd18 | 0.746968915 | 1.580314373 | 2.344426227 | -0.480459265 | -0.128421203 | -0.608880468 | 0.352886192 | 0.635690651 | 0.988576843 |
| Shmt2 | 0.772934486 | 1.166953882 | 2.445111475 | 0.14251114 | -0.874166929 | -0.731655789 | 0.536530536 | 0.403990665 | 0.940521201 |
| Glipr2 | 0.735991827 | 1.606756834 | 2.931506298 | -0.249332123 | -0.711552121 | -0.960884244 | 0.621432884 | 0.613197343 | 1.234630227 |
| 1700021C14Rik | 0.503017043 | 1.807760138 | 1.918150496 | -0.713198578 | 0.521004002 | -0.192194576 | 0.591544517 | 0.63139436 | 1.222938877 |
| Schip1 | 1.099699015 | 1.903913383 | 2.398360203 | -0.602465513 | 0.28099754 | -0.321467972 | 0.201748855 | 0.77544436 | 0.977193216 |
| Gm5918 | 1.014972888 | 2.172817148 | 2.300681625 | -0.737639868 | 0.640516303 | -0.097123565 | 0.420204393 | 0.768380779 | 1.188585172 |
| Gpr56 | 0.992372293 | 2.523590125 | 2.715717953 | -0.263635358 | 0.111796407 | -0.151838951 | 1.267582474 | 0.303924235 | 1.571506709 |
| Hes1 | 0.823543615 | 1.879608264 | 2.872263006 | 0.160156289 | -0.404385481 | -0.244229192 | 1.216220938 | 0.588269262 | 1.804490199 |
| Tgif1 | 0.929901317 | 2.266156703 | 3.085857582 | -0.055078714 | -0.346361961 | -0.401440674 | 1.281176672 | 0.473338918 | 1.75451559 |
| Mir3091 | -0.884872091 | 1.6604328 | 1.021146949 | -0.553502915 | 2.656475647 | 2.102972732 | 1.991801976 | 2.017189796 | 4.008991772 |
| Snora17 | -0.052085882 | 1.349499949 | 0.912878639 | -0.81347151 | 2.441527863 | 1.628056353 | 0.588114321 | 2.004906553 | 2.593020874 |
| Mir1982 | -0.369501185 | 0.743683099 | 1.559426876 | -0.505748205 | 1.652950883 | 1.147202679 | 0.607436078 | 2.468694661 | 3.076130739 |
| Mir3064 | 0.016354708 | 1.126021193 | 1.498692018 | -0.1489471 | 2.038369816 | 1.889422716 | 0.960719385 | 2.411040642 | 3.371760027 |
| Gm41 | -0.27822995 | -1.12178067 | 1.837677926 | 1.041729729 | 0.167940771 | 1.2096705 | 0.198179009 | 3.127399367 | 3.325578376 |
| Gm364 | -0.382912921 | -0.021403332 | 0.999802458 | -0.053958072 | 2.130281 | 2.076322929 | 0.307551518 | 3.15148679 | 3.459038308 |
| Tdrd9 | -0.808984972 | -0.189047217 | 2.109936936 | 0.104932378 | 1.306416204 | 1.411348583 | 0.724870134 | 3.605400357 | 4.330270491 |
| Wfdc15a | -0.125421019 | -0.05869002 | 0.692863582 | 0.232749907 | 1.430472826 | 1.663222733 | 0.299480906 | 2.182026429 | 2.481507335 |
| Clcf1 | -0.382912921 | -0.221557735 | 1.097688239 | 0.366734946 | 0.818766223 | 1.185501169 | 0.528090132 | 2.138012196 | 2.666102328 |
| Fam3b | -0.382912921 | -0.421922904 | 1.189336763 | 0.3465615 | 0.841490006 | 1.188051506 | 0.307551518 | 2.452749672 | 2.76030119 |
| Ctns | -0.570015941 | -0.275762804 | 0.530178671 | 0.528791463 | 0.931059642 | 1.459851105 | 0.823044599 | 1.737001118 | 2.560045717 |
| 1700012A16Rik | -0.385160717 | -0.432044887 | 0.798356327 | 0.628606704 | 0.950795341 | 1.579402045 | 0.581722533 | 2.181196555 | 2.762919089 |
| Susd4 | -0.386133671 | -0.607663247 | 0.795968563 | 1.058292737 | 0.524250551 | 1.582543288 | 0.836763161 | 1.927882361 | 2.764645523 |
| Brdt | -0.309600482 | -0.489521437 | 0.51860421 | 0.942142957 | 0.883193398 | 1.825336355 | 0.762222002 | 1.891319046 | 2.653541048 |
| Tcfl5 | -0.226684038 | -0.619768506 | 0.464399839 | 1.791510099 | 0.367431576 | 2.158941675 | 1.398425631 | 1.451599921 | 2.850025552 |
| Asphd2 | -0.382912921 | -0.129708767 | 0.813751016 | 0.930475833 | 0.63453421 | 1.565010043 | 1.183679987 | 1.577993993 | 2.76167398 |
| Dbn1 | -0.362982572 | 0.046337572 | 0.731336674 | 1.150444855 | 0.602267934 | 1.752712789 | 1.559764999 | 1.287267036 | 2.847032035 |
| Mael | -0.752838117 | -0.762456018 | 0.301659989 | 1.405176971 | 1.12672863 | 2.531905601 | 1.39555907 | 2.190844636 | 3.586403706 |
| Txndc16 | -0.09341525 | -0.317565577 | 0.468232802 | 0.771720983 | 1.639692431 | 2.411413414 | 0.547570656 | 2.42549081 | 2.973061466 |
| Ddx25 | -0.065460365 | -0.401874879 | 0.436012968 | 1.316531112 | 1.162774587 | 2.4793057 | 0.980116598 | 2.000662435 | 2.980779033 |
| Gm1141 | -0.393543648 | 0.245239827 | 1.988140519 | 1.949907176 | -0.430443705 | 1.519463472 | 2.58869065 | 1.312456987 | 3.901147638 |
| C1ql1 | -0.946786295 | 0.182707774 | 0.792826371 | 1.094781549 | 0.266453933 | 1.361235482 | 2.224275618 | 0.876572531 | 3.100848148 |
| Zmym3 | -0.798550263 | 0.061600423 | 0.880061593 | 0.537615228 | 0.426253841 | 0.963869069 | 1.397765914 | 1.244715011 | 2.642480925 |
| Gmpr | -0.38716514 | 0.261144966 | 1.546674335 | 0.665706179 | 0.141554803 | 0.807260982 | 1.314016285 | 1.427084172 | 2.741100457 |
| Lzts2 | -0.475043565 | 0.168830196 | 1.485033622 | 0.800735223 | 0.067468159 | 0.868203382 | 1.444608985 | 1.383671584 | 2.828280569 |
| Snord16a | -1.031525235 | 0.213579561 | 1.353110704 | 0.337940766 | 0.993561155 | 1.331501921 | 1.583045562 | 2.133092298 | 3.71613786 |
| 2210404O07Rik | -0.356404105 | 0.932816062 | 1.229877653 | 0.591205096 | 0.894499643 | 1.485704739 | 1.880425263 | 1.191561234 | 3.071986497 |
| Ccdc106 | 0.133238777 | 0.973891777 | 1.917469104 | 0.614949062 | 0.724341216 | 1.339290277 | 1.455602062 | 1.667918542 | 3.123520604 |
| Tdrd1 | 0.139042814 | 0.044733585 | 1.955148907 | 1.353317374 | 0.402453434 | 1.755770808 | 1.259008146 | 2.312868755 | 3.571876901 |
| Nradd | 0.013011071 | 0.349738948 | 1.700854467 | 0.432079509 | 0.624987919 | 1.057067428 | 0.768807386 | 1.976103438 | 2.744910824 |
| Tex19.2 | -0.397256211 | 0.442070094 | 1.211450123 | 0.359542259 | 0.958434523 | 1.317976782 | 1.198868564 | 1.727814552 | 2.926683116 |
| Ndrg4 | -0.382912921 | -0.021403332 | 1.789259949 | 0.531004429 | 0.612379834 | 1.143384263 | 0.892514019 | 2.423043115 | 3.315557133 |
| Dbndd2 | -0.539036973 | -0.017818135 | 1.320100612 | 0.771720983 | 0.631358223 | 1.403079206 | 1.292939821 | 1.969276971 | 3.262216792 |
| 9230110C19Rik | -0.072163102 | -0.060967213 | 1.473655535 | 0.99034415 | 0.693237471 | 1.683581622 | 1.001540039 | 2.22786022 | 3.229400259 |
| Snora21 | -0.411822417 | 0.246725944 | 2.168255497 | 0.187051606 | -0.27029802 | -0.083246415 | 0.845599966 | 1.651231532 | 2.496831499 |
| Ccnjl | -0.395270199 | -0.099994809 | 2.260780778 | 0.761599 | -0.703760664 | 0.057838335 | 1.05687439 | 1.657014922 | 2.713889312 |
| Pdlim7 | -0.970829577 | 0.008416472 | 1.578735789 | 0.212165885 | -0.441016657 | -0.228850772 | 1.191411934 | 1.129302661 | 2.320714595 |
| Fzd2 | -0.63786164 | -0.082005445 | 1.539059759 | 0.625216299 | -0.478111242 | 0.147105058 | 1.181072495 | 1.142953962 | 2.324026457 |
| Smoc1 | -0.151642678 | 0.574212022 | 1.619656573 | 0.305988333 | -0.254234443 | 0.051753891 | 1.031843033 | 0.791210108 | 1.823053141 |
| Sox4 | -0.187489618 | 0.345753694 | 1.58649662 | 0.775038068 | -0.499029052 | 0.276009016 | 1.30828138 | 0.741713875 | 2.049995255 |
| Txnip | -0.657772734 | -0.723228653 | 1.417922254 | 0.329082533 | -0.369118702 | -0.04003617 | 0.263626614 | 1.772032205 | 2.035658819 |
| Acot9 | -0.707462041 | -0.835095337 | 0.982395953 | 0.525940239 | -0.328590124 | 0.197350115 | 0.398306943 | 1.488901166 | 1.887208109 |
| Acp6 | -0.708500239 | -0.501902364 | 1.042014696 | 0.207445089 | -0.050902182 | 0.156542907 | 0.414042964 | 1.493014878 | 1.907057842 |
| Arf3 | -0.183926128 | -0.224667867 | 1.46139056 | 0.687458534 | -0.56631103 | 0.121147503 | 0.646716794 | 1.119747396 | 1.766464191 |
| Pet117 | 0.143848069 | -0.04747295 | 1.436399581 | 0.780708874 | -0.320637178 | 0.460071696 | 0.589387855 | 1.163235352 | 1.752623208 |
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| Acly | -0.24232336 | -0.197672521 | 1.63191336 | 0.751322932 | -0.390549968 | 0.360772964 | 0.79597377 | 1.439035913 | 2.235009683 |
| Fam132a | -0.503135184 | -0.956344648 | 0.916339324 | 0.946443225 | 0.058766338 | 1.005209563 | 0.493233762 | 1.93145031 | 2.424684071 |
| Shisa5 | -0.683633027 | -0.988491771 | 1.048184001 | 0.707406954 | -0.136249309 | 0.571157644 | 0.40254821 | 1.900426463 | 2.302974673 |
| Gpha2 | -0.580842313 | -0.812693326 | 1.317508112 | 0.575193788 | 0.027895217 | 0.603089005 | 0.343342776 | 2.158096655 | 2.501439431 |
| Fhl1 | -0.298002064 | -0.561629117 | 1.976963852 | 0.894412009 | -0.257695618 | 0.636716391 | 0.630784956 | 2.280897352 | 2.911682308 |
| Nab1 | -0.382912921 | -0.517089901 | 1.593589361 | 0.856765997 | -0.298344235 | 0.558421763 | 0.722589017 | 1.812335027 | 2.534924044 |
| Hdac8 | -0.253853019 | -0.195161806 | 1.527332069 | 0.5707884 | 0.024067045 | 0.594855445 | 0.629479613 | 1.746560921 | 2.376040534 |
| Scarna6 | -1.975027373 | -0.310711094 | 1.532285151 | -0.645511348 | 0.585257163 | -0.060254185 | 1.01880493 | 2.428253409 | 3.447058339 |
| Coro1a | -0.527014734 | 0.39775287 | 1.680859171 | -0.338926368 | 0.657047077 | 0.318120709 | 0.585841236 | 1.940153378 | 2.525994614 |
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| Neil2 | -0.176456385 | 0.714264848 | 2.176691221 | -0.053958072 | 0.54089109 | 0.486933019 | 0.836763161 | 2.003317463 | 2.840080625 |
| Prr7 | -0.04508901 | 0.712612583 | 2.463863025 | 0.321327143 | 0.111796407 | 0.433123549 | 1.079028736 | 1.863046848 | 2.942075584 |
| 4930504O13Rik | -0.407767609 | -0.195237585 | 1.947855193 | -0.053958072 | 0.255823296 | 0.201865225 | 0.158571952 | 2.398916074 | 2.557488026 |
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| Prmt2 | 0.025174278 | -0.102791576 | 2.646855541 | 0.531004429 | -0.171753594 | 0.359250835 | 0.403038575 | 2.577893523 | 2.980932098 |
| Tspan8 | 0.018202752 | 0.264930405 | 2.663903963 | -0.340291808 | 0.448177962 | 0.107886154 | -0.093564155 | 2.84715152 | 2.753587365 |
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| Ndrg2 | -0.382912921 | -0.021403332 | 2.870130813 | -0.053958072 | -0.19027112 | -0.244229192 | 0.307551518 | 2.701263024 | 3.008814542 |
| Zcchc12 | -0.382912921 | -0.021403332 | 3.01421727 | -0.053958072 | -0.19027112 | -0.244229192 | 0.307551518 | 2.845349482 | 3.152900999 |
| Mir692-1 | 2.755973925 | 8.454311994 | 4.061455657 | -5.379753493 | 6.785644391 | 1.405890898 | 0.318584576 | 2.392788054 | 2.71137263 |
| Lefty2 | 4.758939078 | 5.967629345 | 3.920953997 | -1.471416774 | 0.471904487 | -0.999512287 | -0.262726507 | -1.574770861 | -1.837497368 |
| Lefty1 | 4.275610348 | 5.787271272 | 3.836057441 | -0.794795643 | 0.471904487 | -0.322891156 | 0.716865281 | -1.479309344 | -0.762444063 |
| Cst9 | 3.621533973 | 5.462915863 | 3.682654871 | -0.780920448 | 0.506810098 | -0.274110349 | 1.060461442 | -1.273450894 | -0.212989451 |
| Defb19 | 3.789277352 | 6.381990059 | 4.103325875 | -0.65842933 | 2.113672706 | 1.455243375 | 1.934283377 | -0.164991479 | 1.769291899 |
| Ube1y1 | 4.494714529 | 5.107399464 | 5.222677874 | -0.053958072 | 0.283060159 | 0.229102088 | 0.558726863 | 0.39833857 | 0.957065433 |
| Eif2s3y | 5.776999182 | 6.578144775 | 5.85824006 | -0.446669998 | 1.071466956 | 0.624796957 | 0.354475595 | 0.351562241 | 0.706037836 |
| Rangrf | 0.943588595 | 4.132707239 | 1.66226177 | -4.054427763 | 1.958380648 | -2.096047115 | -0.865309119 | -0.512064821 | -1.37737394 |
| Tdgf1 | 2.150357504 | 3.369341964 | 2.789227449 | -1.638305368 | -0.493189902 | -2.13149527 | -0.419320908 | -1.073304416 | -1.492625325 |
| Pycr2 | 2.11271858 | 3.727262835 | 2.945427198 | -1.64622818 | -0.406335338 | -2.052563519 | -0.031683925 | -1.188170976 | -1.219854901 |
| Etv1 | 2.031725267 | 2.81947413 | 1.876854728 | -0.794795643 | -0.19027112 | -0.985066763 | -0.00704678 | -1.132890523 | -1.139937302 |
| Nodal | 1.951295883 | 3.104152501 | 2.763126089 | -0.90649541 | -0.666705283 | -1.573200693 | 0.246361209 | -1.007731695 | -0.761370486 |
| Gm5416 | 2.89008182 | 1.993692004 | 3.015980607 | -0.053958072 | 0.111796407 | 0.057838335 | -0.950347888 | 1.13408501 | 0.183737123 |
| Ptgds | 3.145062046 | 3.889683773 | 2.142076677 | 0.191461337 | 0.54089109 | 0.732352427 | 0.936083064 | -1.206716006 | -0.270632942 |
| Amh | 3.127727361 | 4.243293342 | 2.580801259 | -0.053958072 | 0.065719879 | 0.011761808 | 1.061607909 | -1.596772204 | -0.535164295 |
| Pitx2 | 3.704557808 | 4.175015501 | 2.700475696 | -0.053958072 | 0.322780705 | 0.268822634 | 0.416499622 | -1.1517591 | -0.735259478 |
| Ly6e | 1.152492497 | 1.462206478 | 1.579723291 | 0.477408897 | -0.514351171 | -0.036942274 | 0.787122878 | -0.396834358 | 0.39028852 |
| Trim47 | 1.169639285 | 2.17130474 | 1.54831091 | -0.066397482 | -0.612729776 | -0.679127259 | 0.935267973 | -1.235723607 | -0.300455633 |
| Mapk13 | 0.978733882 | 2.038017153 | 1.209070756 | -0.17123416 | -0.073788192 | -0.245022352 | 0.888049112 | -0.902734589 | -0.014685478 |
| Mest | 0.330418401 | 2.383615334 | 1.910234575 | -0.720500115 | -0.299695683 | -1.020195797 | 1.332696818 | -0.773076441 | 0.559620378 |
| Fxyd6 | 1.172736688 | 2.378370048 | 2.196246111 | 0.074820091 | -0.363265795 | -0.288445704 | 1.28045345 | -0.545389731 | 0.735063719 |
| Bcat2 | 1.012261051 | 2.902004648 | 2.131385354 | -0.471416774 | 0.111796407 | -0.359620367 | 1.418326823 | -0.658822887 | 0.759503936 |
| Ucma | 1.093251375 | 2.929677433 | 2.92803842 | -0.340291808 | -0.206856165 | -0.547147973 | 1.496134249 | -0.208495178 | 1.287639071 |
| Clu | 0.724016737 | 3.008373036 | 2.841836814 | -0.321532909 | -0.409644457 | -0.731177366 | 1.962823391 | -0.576180679 | 1.386642712 |
| Ly6g6e | 0.604713259 | 2.931703096 | 3.018972925 | -0.423018865 | -0.406172828 | -0.829191693 | 1.903970972 | -0.318902999 | 1.585067974 |
| Irgm1 | 1.665777018 | 3.20214585 | 3.391383263 | -1.070897202 | -0.288723165 | -1.359620367 | 0.46547163 | -0.099485752 | 0.365985878 |
| Lrrfip1 | 1.171602848 | 2.951748641 | 3.019045009 | -0.912721314 | -0.50143288 | -1.414154193 | 0.867424479 | -0.434136512 | 0.433287967 |
| Pdlim3 | 1.44022968 | 3.037456917 | 3.075288468 | -0.403208947 | -0.536166645 | -0.939375592 | 1.19401829 | -0.498335094 | 0.695683196 |
| Tsku | 1.017691187 | 2.347497511 | 2.196846207 | -0.712251589 | -0.333794693 | -1.046046281 | 0.617554735 | -0.484445996 | 0.133108739 |
| Slc38a2 | 0.96930858 | 1.824843694 | 1.837115121 | -0.6406471 | -0.20810197 | -0.848749071 | 0.214888014 | -0.195830543 | 0.01905747 |
| Optn | 1.077647955 | 1.959839722 | 2.177528047 | -0.424806212 | -0.373328563 | -0.798134775 | 0.457385555 | -0.155640238 | 0.301745317 |
| Tmem63a | 1.787017548 | 2.820963881 | 2.20028329 | -0.838056364 | 0.106878998 | -0.731177366 | 0.19588997 | -0.513801594 | -0.317911624 |
| 1700024G13Rik | 1.485001818 | 2.888054377 | 2.374202071 | -0.789950811 | -0.077051563 | -0.867002374 | 0.613101747 | -0.590903869 | 0.022197879 |
| 1500016L03Rik | 1.616784522 | 2.728944207 | 1.80469301 | -0.831736016 | 0.514629774 | -0.317106243 | 0.280423669 | -0.409621423 | -0.129197754 |
| Exoc3l | 1.51059378 | 2.524851841 | 2.250484522 | -0.92489817 | 0.54089109 | -0.38400708 | 0.089359891 | 0.26652377 | 0.355883662 |
| Aldh1a1 | 2.000571126 | 3.568509769 | 2.470881278 | -0.053958072 | 0.322780705 | 0.268822634 | 1.513980571 | -0.774847785 | 0.739132786 |
| Wnt3 | 1.819359764 | 2.849255394 | 2.571555104 | -0.063621368 | -0.077738866 | -0.141360234 | 0.966274262 | -0.355439157 | 0.610835105 |
| Radil | 1.718273534 | 2.715738754 | 2.245845596 | -0.053958072 | 0.358432308 | 0.304474237 | 0.943507148 | -0.111460849 | 0.832046299 |
| Mgst2 | 1.821527624 | 3.677471309 | 3.375411624 | -0.480030122 | 0.361436897 | -0.118593226 | 1.375913563 | 0.059377212 | 1.435290774 |
| 2410004A20Rik | 1.638523269 | 3.45257936 | 3.043712315 | -0.238401 | -0.077738866 | -0.316139867 | 1.575655091 | -0.486605911 | 1.08904918 |
| Otx2 | 1.762157393 | 3.323305268 | 3.390786764 | -0.340291808 | -0.206856165 | -0.547147973 | 1.220856067 | -0.139374669 | 1.081481398 |
| Cthrc1 | 1.62512916 | 3.641391035 | 3.276425368 | -0.624696611 | 0.065719879 | -0.558976732 | 1.391565264 | -0.299245788 | 1.092319476 |
| Mir3101 | -4.139317048 | 0.871405535 | 3.623351905 | -1.413836373 | 1.29257502 | -0.121261352 | 3.59688621 | 4.044521391 | 7.641407601 |
| Gtsf1 | -0.974524099 | -0.979017003 | 1.514063078 | 0.301774233 | 2.322349249 | 2.624123482 | 0.297281329 | 4.81542933 | 5.11271066 |
| Nxf2 | -0.382912921 | -0.021403332 | 3.510950929 | -0.053958072 | 2.248633623 | 2.194675552 | 0.307551518 | 5.780987884 | 6.088539401 |
| Rrad | -0.382912921 | -0.021403332 | 4.999189369 | -0.053958072 | 0.361436897 | 0.307478825 | 0.307551518 | 5.382029597 | 5.689581115 |
| Rhox10 | 0.729735081 | 0.472367386 | 3.900472058 | 0.091005068 | 0.266576854 | 0.357581923 | -0.166362627 | 3.694681527 | 3.5283189 |
| Piwil4 | 0.045925528 | -0.150190367 | 3.979870466 | 0.809967065 | -0.232820763 | 0.577146302 | 0.61385117 | 3.89724007 | 4.51109124 |
| Nab2 | -0.144772625 | 0.884556105 | 3.261240486 | 0.158366725 | 0.450077562 | 0.608444287 | 1.187695455 | 2.826761943 | 4.014457398 |
| Mir1905 | -0.390006399 | 0.947979245 | 3.216435082 | 0.655222065 | 0.575260605 | 1.23048267 | 1.993207708 | 2.843716443 | 4.836924151 |
| Upp1 | -0.382912921 | 1.202293026 | 3.415402693 | -0.053958072 | 0.317953947 | 0.263995875 | 1.531247876 | 2.531063613 | 4.062311489 |
| Egr4 | -0.382912921 | 1.393154509 | 3.746399661 | -0.053958072 | 0.111796407 | 0.057838335 | 1.722109359 | 2.465041558 | 4.187150917 |
| Isg15 | 0.112696571 | 1.515318013 | 3.908885132 | -0.06223212 | -0.12242114 | -0.184653261 | 1.340389322 | 2.271145978 | 3.6115353 |
| Ptgr1 | 0.238581114 | 1.618401401 | 3.68187552 | 0.225004564 | 0.104728867 | 0.329733431 | 1.604824851 | 2.168202985 | 3.773027836 |
| Mir2861 | 0.588607567 | 1.78921592 | 7.235365527 | 0.40727239 | -3.546438022 | -3.139165632 | 1.607880743 | 1.899711585 | 3.507592328 |
| Snord52 | 2.018128589 | 2.162941026 | 5.450201113 | -0.102212695 | -0.675199137 | -0.777411832 | 0.042599741 | 2.61206095 | 2.654660691 |
| Snord53 | 0.116980301 | 0.87723768 | 4.376187381 | 0.645572102 | -1.836731229 | -1.191159128 | 1.405829481 | 1.662218472 | 3.068047952 |
| Snord49a | 0.218841066 | 2.130323178 | 4.554638613 | -0.802388836 | -1.045743056 | -1.848131892 | 1.109093276 | 1.378572379 | 2.487665655 |
| Sdc4 | 0.730587061 | 2.899903998 | 5.060396604 | -0.715653159 | -0.88525316 | -1.600906319 | 1.453663778 | 1.275239446 | 2.728903225 |
| Nanos2 | -0.382912921 | 3.234342879 | 5.086726323 | -0.340291808 | 0.647770633 | 0.307478825 | 3.276963992 | 2.500154077 | 5.777118069 |
| Krt17 | -0.382912921 | 2.585737735 | 3.925792075 | -0.340291808 | -0.206856165 | -0.547147973 | 2.628358848 | 1.133198175 | 3.761557023 |
| Bnc2 | 0.018202752 | 1.80786092 | 2.773842213 | 0.531004429 | 0.612379834 | 1.143384263 | 2.320662597 | 1.578361128 | 3.899023725 |
| Mfap4 | 0.016806027 | 2.646544151 | 2.663220497 | 0.15705766 | 0.522701791 | 0.679759451 | 2.786795784 | 0.539378136 | 3.32617392 |
| S100z | -0.109875297 | 2.936324784 | 3.484643272 | -0.072323163 | 0.745819691 | 0.673496528 | 2.973876918 | 1.294138179 | 4.268015097 |
| Gal | 0.929364487 | 3.667056299 | 4.0508617 | -0.081283317 | 0.412356098 | 0.331072781 | 2.656408495 | 0.796161499 | 3.452569994 |
| Ctsw | 1.285889434 | 3.275087971 | 3.276639914 | -0.053958072 | 0.111796407 | 0.057838335 | 1.935240465 | 0.11334835 | 2.048588815 |
| Dgka | 1.093760545 | 3.130341719 | 3.721342638 | -0.339935669 | 0.224766379 | -0.11516929 | 1.696645505 | 0.815767298 | 2.512412802 |
| Mir680-2 | 1.826600945 | 4.703060989 | 4.547497131 | -0.460345499 | 0.500032279 | 0.03968678 | 2.416114545 | 0.344468421 | 2.760582966 |
| Hesx1 | 2.691456596 | 4.970575183 | 5.099161933 | -0.053958072 | 0.071466956 | 0.017508884 | 2.225160516 | 0.200053705 | 2.425214221 |
| Pmaip1 | 2.61709938 | 4.977417567 | 5.603793383 | -0.053958072 | 0.065719879 | 0.011761808 | 2.306360115 | 0.692095696 | 2.998455811 |
| Mt1 | -2.05146183 | -1.274099669 | 1.74569798 | -1.633274296 | -0.983920659 | -2.617194955 | -0.855912136 | 2.03587699 | 1.179964854 |
| Mir363 | -1.584220256 | -0.678674014 | 3.828096211 | -1.300422619 | -1.863185553 | -3.163608172 | -0.394876377 | 2.643584672 | 2.248708295 |
| Morc1 | -0.631763251 | -0.526329513 | 3.809865489 | -0.762414753 | -1.296989645 | -2.059404398 | -0.656981015 | 3.039205356 | 2.382224341 |
| Dnd1 | -0.995751573 | -0.072026016 | 2.742695395 | -0.339562976 | -1.707943007 | -2.047505983 | 0.584162581 | 1.106778404 | 1.690940985 |
| Dppa4 | -0.503120029 | 0.478917049 | 3.728557781 | -0.81172246 | -1.655837107 | -2.467559567 | 0.170314618 | 1.593803625 | 1.764118243 |
| Nanos3 | -0.316075417 | 0.756422686 | 3.562703324 | -1.159684488 | -0.896836178 | -2.056520666 | -0.087186385 | 1.909444459 | 1.822258075 |
| 1700019A02Rik | -0.180405858 | -0.329499679 | 2.639005565 | -1.065140725 | -1.274158641 | -2.339299367 | -1.214234546 | 1.694346603 | 0.480112056 |
| Khdc1a | 0.524369867 | 0.406529119 | 3.49298017 | -0.974259369 | -2.001418879 | -2.975678248 | -1.092100118 | 1.085032173 | -0.007067945 |
| Tcl1 | -0.168454769 | 1.128291346 | 2.742946871 | -0.90585502 | -1.962099101 | -2.867954121 | 0.390891095 | -0.347443575 | 0.043447519 |
| Utf1 | -0.035394615 | 1.103301593 | 3.00758351 | -0.794711151 | -1.805868447 | -2.600579598 | 0.343985058 | 0.09841347 | 0.442398528 |
| Rrp9 | 0.361835982 | 1.431764799 | 2.832189205 | -1.199156096 | -1.475260589 | -2.674416685 | -0.12922728 | -0.074836182 | -0.204063463 |
| Fam100b | 0.223462344 | 1.779145375 | 3.165997795 | -1.24517836 | -1.387326671 | -2.632505032 | 0.310504671 | -0.000474252 | 0.310030419 |
| Eno1 | 0.862183765 | 1.308164321 | 3.395132776 | -0.579283254 | -2.184085302 | -2.763368556 | -0.133302698 | -0.097116847 | -0.230419545 |
| Tomm40 | 0.280294983 | 1.60994656 | 2.190612808 | -1.189756039 | -0.877791932 | -2.067547971 | 0.139895538 | -0.297125685 | -0.157230146 |
| Dpp7 | 0.193467454 | 1.496991252 | 2.034951175 | -1.159284127 | -0.67108115 | -1.830365278 | 0.144239671 | -0.133121227 | 0.011118444 |
| Zswim1 | 0.469353684 | 1.440306583 | 2.118953275 | -1.035531838 | -0.725792368 | -1.761324206 | -0.064578939 | -0.047145675 | -0.111724614 |
| Pik3cd | 0.493578487 | 1.872229912 | 2.718721958 | -1.229672724 | -0.787781134 | -2.017453858 | 0.148978701 | 0.058710912 | 0.207689613 |
| Cdh1 | 0.447526377 | 1.331911402 | 2.490464091 | -0.380570875 | -1.547802985 | -1.92837386 | 0.50381415 | -0.389250296 | 0.114563854 |
| Taf6l | 0.967880545 | 1.418709556 | 2.377773792 | -0.319993869 | -1.295076079 | -1.615069948 | 0.130835143 | -0.336011844 | -0.205176701 |
| Pgam1 | -0.12197422 | 0.728895003 | 2.309655682 | -0.68077718 | -1.518559206 | -2.199336386 | 0.170092043 | 0.062201473 | 0.232293517 |
| Mybbp1a | -0.083675149 | 0.945604784 | 2.572886845 | -0.827283363 | -1.425902632 | -2.253185995 | 0.20199657 | 0.201379429 | 0.403375999 |
| Enc1 | 0.138732268 | 0.822831527 | 2.343969 | -0.524846749 | -1.313244198 | -1.838090948 | 0.15925251 | 0.207893274 | 0.367145785 |
| F11r | 0.226295466 | 0.978635191 | 2.530495989 | -0.500871457 | -1.342631227 | -1.843502685 | 0.251468268 | 0.209229571 | 0.460697839 |
| Vasp | 0.107680635 | 1.023499316 | 2.627110504 | -0.519049296 | -1.396410996 | -1.915460292 | 0.396769386 | 0.207200192 | 0.603969577 |
| G3bp1 | -0.081957689 | 0.805384142 | 2.045336316 | -0.598746686 | -1.441438424 | -2.040185111 | 0.288595145 | -0.201486251 | 0.087108894 |
| Cdk4 | -0.087779416 | 1.147120538 | 2.108696378 | -0.94738364 | -1.162859284 | -2.110242923 | 0.287516314 | -0.201283444 | 0.086232871 |
| Pdk1 | 0.138299469 | 1.157605205 | 2.196057519 | -0.782123217 | -1.1716122 | -1.953735418 | 0.237182519 | -0.133159887 | 0.104022632 |
| Grk6 | 0.392259452 | 1.292469909 | 2.019212333 | -0.643782973 | -1.153109238 | -1.796892212 | 0.256427484 | -0.426366814 | -0.16993933 |
| Cpsf4l | 0.513136225 | 1.376173084 | 2.270765094 | -0.633556797 | -1.180066177 | -1.813622975 | 0.229480062 | -0.285474168 | -0.055994105 |
| Fam3c | 0.385219956 | 1.012247194 | 2.134382637 | -0.426901137 | -1.172984048 | -1.599885184 | 0.200126101 | -0.050848604 | 0.149277496 |
| Snx5 | 0.265018051 | 1.19915301 | 1.992917675 | -0.552183155 | -1.006603342 | -1.558786497 | 0.381951803 | -0.212838676 | 0.169113127 |
| St3gal2 | 0.163608009 | 0.850163041 | 2.277744626 | -0.267014777 | -1.386049904 | -1.65306468 | 0.419540255 | 0.041531682 | 0.461071937 |
| Irf1 | 0.07367246 | 1.003615993 | 2.093766907 | -0.438593041 | -1.135869769 | -1.574462811 | 0.491350491 | -0.045718855 | 0.445631636 |
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| Ooep | 0.397824142 | 1.805517554 | 2.898305895 | -0.669836409 | -1.109575763 | -1.779412172 | 0.737857004 | -0.016787423 | 0.721069581 |
| Cyb5 | 0.077007879 | 1.350687915 | 2.966960109 | -1.084548063 | -1.079340989 | -2.163889051 | 0.189131973 | 0.536931206 | 0.726063178 |
| Liph | 0.338730102 | 0.986462653 | 2.988228015 | -0.512036791 | -1.357419667 | -1.869456459 | 0.13569576 | 0.644345695 | 0.780041455 |
| Sgk1 | 0.47402115 | 1.622928217 | 3.341870262 | -0.673186884 | -1.149507691 | -1.822694575 | 0.475720184 | 0.569434354 | 1.045154538 |
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| Snora74a | -0.192318569 | 1.882235919 | 3.653786898 | -1.867478069 | -1.062681651 | -2.93015972 | 0.207076419 | 0.708869329 | 0.915945748 |
| Snora61 | 0.475038749 | 2.468918001 | 2.797580529 | -1.754891939 | -0.12473489 | -1.879626829 | 0.238987313 | 0.203927638 | 0.442914952 |
| Snora44 | -0.022547315 | 2.479601452 | 3.1746294 | -2.091913345 | -0.127381374 | -2.219294719 | 0.410235422 | 0.567646574 | 0.977881996 |
| 2410018M08Rik | 1.707257504 | 1.819019796 | 3.419275111 | -0.775982551 | -0.937822655 | -1.713805205 | -0.664220259 | 0.66243266 | -0.001787599 |
| Snord47 | 0.611612625 | 1.613998244 | 3.860082787 | -1.205709234 | -0.702358207 | -1.908067442 | -0.203323616 | 1.543726336 | 1.34040272 |
| Snora16a | 0.440797903 | 2.024722106 | 3.349275007 | -1.483644488 | -0.45789785 | -1.941542338 | 0.100279715 | 0.866655051 | 0.966934766 |
| Nmi | 0.602078492 | 2.130275518 | 3.495748156 | -1.209833142 | -0.519242622 | -1.729075764 | 0.318363883 | 0.846230017 | 1.1645939 |
| Gm6792 | -0.717833056 | 0.044288839 | 1.035386166 | -0.661694262 | -1.161497337 | -1.823191599 | 0.100427632 | -0.17040001 | -0.069972377 |
| Cox8a | -0.528066995 | 0.180261185 | 1.117567524 | -0.54725753 | -1.268114204 | -1.815371734 | 0.161070649 | -0.330807864 | -0.169737215 |
| Mov10 | -0.517055593 | 0.274661316 | 1.416908409 | -0.596838009 | -1.270428423 | -1.867266432 | 0.1948789 | -0.12818133 | 0.06669757 |
| Cotl1 | -0.454337414 | 0.087314232 | 1.403090467 | -0.501587443 | -1.241653289 | -1.743240732 | 0.040064204 | 0.074122946 | 0.11418715 |
| Lap3 | -0.403386434 | 0.056413421 | 0.982897865 | -0.435156495 | -1.154175687 | -1.589332182 | 0.02464336 | -0.227691243 | -0.203047883 |
| Rcl1 | -0.288650909 | 0.169365336 | 1.010308971 | -0.459348849 | -1.150053774 | -1.609402624 | -0.001332604 | -0.309110139 | -0.310442743 |
| Parp1 | -0.44041839 | -0.125613693 | 0.970301065 | -0.25758571 | -1.223707056 | -1.481292766 | 0.057218986 | -0.127792297 | -0.070573312 |
| Sfpq | -0.266359903 | 0.378541878 | 1.240556717 | -0.70595003 | -0.979917876 | -1.685867906 | -0.061048249 | -0.117903037 | -0.178951286 |
| Actb | -0.194999155 | 0.322043806 | 1.142002666 | -0.614926931 | -0.73733957 | -1.352266502 | -0.097883971 | 0.08261929 | -0.015264681 |
| Pou5f1 | -0.271967431 | 0.493698846 | 1.656117366 | -0.607718264 | -1.332704241 | -1.940422504 | 0.157948014 | -0.170285721 | -0.012337707 |
| Nol6 | -0.056304527 | 0.532419692 | 1.704418367 | -0.431852822 | -1.46878279 | -1.900635612 | 0.156871396 | -0.296784115 | -0.139912719 |
| Rrs1 | -0.104109571 | 0.629118635 | 1.581153586 | -0.549662882 | -1.11190908 | -1.661571962 | 0.183565324 | -0.159874129 | 0.023691195 |
| Ipo4 | 0.032877162 | 0.714911431 | 1.893470162 | -0.52444604 | -1.191398418 | -1.715844458 | 0.157588229 | -0.012839688 | 0.144748541 |
| Nol9 | -0.001749491 | 0.356870895 | 1.841488883 | -0.403876593 | -1.40607014 | -1.809946733 | -0.045256207 | 0.078547848 | 0.033291641 |
| Rpf2 | 0.000971037 | 0.3356393 | 1.621239784 | -0.353091778 | -1.171072213 | -1.524163992 | -0.018423516 | 0.114528271 | 0.096104755 |
| Eif4ebp1 | -0.653124735 | 0.312423541 | 1.689142178 | -0.79486944 | -1.358283051 | -2.15315249 | 0.170678836 | 0.018435586 | 0.189114422 |
| Dctd | -0.39940666 | -0.008975208 | 1.484863706 | -0.225462645 | -1.384522741 | -1.609985386 | 0.164968807 | 0.109316173 | 0.27428498 |
| Bub3 | -0.253559536 | 0.215749823 | 1.391655125 | -0.227197916 | -1.280487337 | -1.507685254 | 0.242111443 | -0.104582035 | 0.137529408 |
| Pcbp4 | -0.514665839 | 0.332454073 | 1.46040149 | -0.377670862 | -1.281779425 | -1.659450287 | 0.46944905 | -0.153832009 | 0.315617042 |
| Rcc2 | -0.344339833 | 0.307561158 | 1.570564592 | -0.239252257 | -1.252325093 | -1.49157735 | 0.412648734 | 0.010678341 | 0.423327075 |
| Apeg3 | -0.167747148 | 0.416220233 | 1.824953158 | -0.144008044 | -1.63189568 | -1.775903724 | 0.439959337 | -0.223162755 | 0.216796582 |
| Ubr5 | -0.021309756 | 0.264096638 | 1.639587702 | 0.077042173 | -1.473608592 | -1.396566419 | 0.362448567 | -0.098117528 | 0.264331039 |
| Tsr1 | 0.019054457 | 0.439052733 | 1.590899024 | -0.132233518 | -1.210088235 | -1.342321753 | 0.287764757 | -0.058241944 | 0.229522813 |
| 5430405H02Rik | -0.007345345 | 0.382357335 | 1.753636168 | -0.095771572 | -1.205653695 | -1.301425267 | 0.293931108 | 0.165625139 | 0.459556247 |
| Elovl6 | -0.325461486 | 0.027293711 | 1.362438918 | -0.699962192 | -1.254930789 | -1.954892981 | -0.347206995 | 0.080214419 | -0.266992576 |
| Brd8 | 0.158787248 | 0.278973154 | 1.501068168 | -0.522688285 | -1.166243474 | -1.688931759 | -0.402502379 | 0.05585154 | -0.346650839 |
| Cxcr4 | 0.020590893 | -0.197202118 | 1.187317213 | -0.605375003 | -1.199724714 | -1.805099718 | -0.823168015 | 0.184794617 | -0.638373398 |
| Wsb2 | 0.233934484 | 0.059131101 | 1.93101198 | -0.768076386 | -1.16104246 | -1.929118846 | -0.942879769 | 0.71083842 | -0.23204135 |
| Sox2 | -0.645199182 | -0.378089653 | 0.824725399 | -0.516921553 | -1.458286663 | -1.975208215 | -0.249812023 | -0.255471611 | -0.505283634 |
| Cox7b | -0.842873685 | -0.408166883 | 0.806624784 | -0.291875883 | -1.474399956 | -1.766275839 | 0.142830919 | -0.259608288 | -0.116777369 |
| Eif2s3x | -0.81172407 | -0.35198222 | 0.388091327 | -0.227484067 | -1.401646565 | -1.629130632 | 0.232257782 | -0.661573018 | -0.429315235 |
| Cnn3 | -0.799331286 | -0.110008992 | 0.766208401 | -0.312229311 | -1.528995236 | -1.841224547 | 0.377092982 | -0.652777843 | -0.275684861 |
| Aldh2 | -0.598314067 | -0.386612887 | 0.260687555 | -0.355758237 | -1.111867125 | -1.467625361 | -0.144057057 | -0.464566682 | -0.608623739 |
| Ccdc123 | -0.968285794 | -0.400173138 | 0.644304987 | -1.05731644 | -0.816957612 | -1.874274052 | -0.489203784 | 0.227520514 | -0.26168327 |
| Tbrg1 | -0.485132583 | -0.156158561 | 1.109417645 | -0.81767654 | -0.602042086 | -1.419718626 | -0.488702518 | 0.66353412 | 0.174831602 |
| Bst2 | -0.630757394 | 0.36126968 | 0.471998001 | -0.962860325 | -0.339887942 | -1.302748266 | 0.02916675 | -0.22915962 | -0.199992871 |
| Rbm3 | -1.315821374 | -0.490523113 | 0.422327216 | -0.61685044 | -0.763888478 | -1.380738919 | 0.20844782 | 0.148961851 | 0.357409671 |
| Fbxo15 | -0.872975921 | -0.507849386 | 0.883923596 | -0.487096086 | -0.937287583 | -1.424383669 | -0.121969551 | 0.454485399 | 0.332515848 |
| Tst | -0.956710053 | 0.269581318 | 1.52947768 | -1.074068928 | -0.739614822 | -1.81368375 | 0.152222442 | 0.52028154 | 0.672503983 |
| Slc9a3r1 | -0.592119778 | 0.554580338 | 2.251924457 | -0.4581124 | -1.648225162 | -2.106337562 | 0.688587716 | 0.049118957 | 0.737706674 |
| Slc35f2 | -0.191953696 | 0.217902661 | 2.50986262 | -0.455393162 | -1.577649204 | -2.033042366 | -0.045536804 | 0.714310754 | 0.66877395 |
| Pim1 | -0.62781701 | 0.066844558 | 2.326851338 | -0.309268151 | -1.641038846 | -1.950306997 | 0.385393417 | 0.618967934 | 1.004361351 |
| Klhl24 | -0.33545115 | -0.012703588 | 1.80046829 | 0.10939988 | -1.322792299 | -1.213392419 | 0.432147442 | 0.490379579 | 0.92252702 |
| Usp22 | -0.422037266 | 0.097420041 | 2.069936343 | 0.106904488 | -1.400050102 | -1.293145614 | 0.626361794 | 0.5724662 | 1.198827994 |
| Eef1e1 | -0.552975734 | -0.049698491 | 1.440840585 | -0.316014618 | -1.169295604 | -1.485310222 | 0.187262625 | 0.321243472 | 0.508506097 |
| 9130401M01Rik | -0.374716864 | 0.221733346 | 1.687970278 | -0.24472012 | -1.133797224 | -1.378517345 | 0.35173009 | 0.332439707 | 0.684169798 |
| Trim13 | -0.472843829 | -0.110159972 | 1.875590258 | -0.265531482 | -1.108256994 | -1.373788475 | 0.097152376 | 0.877493236 | 0.974645612 |
| Ywhab | -0.234010892 | 0.186503955 | 1.747635469 | -0.280219616 | -0.987842361 | -1.268061977 | 0.140295231 | 0.573289154 | 0.713584384 |
| Mdn1 | -0.204726696 | 0.123805136 | 1.720722018 | -0.304939281 | -0.915568456 | -1.220507737 | 0.023592551 | 0.681348426 | 0.704940977 |
| Bcl10 | 0.039526526 | 0.323120546 | 1.940335222 | -0.317800615 | -0.886796429 | -1.204597043 | -0.034206594 | 0.730418247 | 0.696211653 |
| E2f6 | -0.006271581 | 0.286973582 | 2.126268072 | -0.176197918 | -1.11239515 | -1.288593067 | 0.117047245 | 0.72689934 | 0.843946586 |
| Gcsh | -0.136611058 | 0.236460333 | 1.463997775 | -0.535705497 | -0.868306256 | -1.404011753 | -0.162634106 | 0.359231187 | 0.196597081 |
| Cdca4 | -0.130108377 | 0.260696054 | 1.485283954 | -0.491239639 | -0.914500703 | -1.405740341 | -0.100435208 | 0.310087197 | 0.209651989 |
| Foxr1 | 0.011644331 | 0.350429479 | 1.53623631 | -0.471643437 | -0.805623895 | -1.277267332 | -0.132858289 | 0.380182936 | 0.247324647 |
| Rab3ip | 0.352928582 | 0.656516718 | 1.750932567 | -0.529793844 | -0.800144207 | -1.329938051 | -0.226205708 | 0.294271643 | 0.068065935 |
| Lgmn | 0.181292851 | 0.755750381 | 1.714346566 | -0.65170584 | -0.713874984 | -1.365580824 | -0.07724831 | 0.244721202 | 0.167472891 |
| Cenpt | 0.058323174 | 0.718375603 | 1.773458957 | -0.619862118 | -0.778165062 | -1.398027179 | 0.040190312 | 0.276918292 | 0.317108604 |
| Ruvbl1 | -0.350411852 | 0.532331196 | 1.636723381 | -0.712090508 | -0.824108634 | -1.536199142 | 0.17065254 | 0.28028355 | 0.45093609 |
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| Smarcb1 | -0.203142583 | 0.650585384 | 1.60114911 | -0.674404157 | -0.55796086 | -1.232365017 | 0.17932381 | 0.392602867 | 0.571926677 |
| Adprhl2 | 0.061709154 | 0.833045005 | 1.798127873 | -0.464550297 | -0.98437865 | -1.448928947 | 0.306785554 | -0.019295781 | 0.287489772 |
| Ogdhl | 0.126602346 | 0.750529669 | 1.949305193 | -0.29330314 | -1.079190066 | -1.372493206 | 0.330624184 | 0.119585458 | 0.450209642 |
| Actr1b | 0.118538098 | 0.546864387 | 1.757650431 | -0.386524795 | -0.930572869 | -1.317097664 | 0.041801494 | 0.280213175 | 0.322014669 |
| Poldip3 | 0.170339816 | 0.579788955 | 1.826923686 | -0.320454546 | -0.9659045 | -1.286359046 | 0.088994593 | 0.28123023 | 0.370224824 |
| Ddx18 | 0.056349014 | 0.61498306 | 2.082310201 | -0.414244337 | -1.168804151 | -1.583048488 | 0.144389709 | 0.29852299 | 0.442912699 |
| Gcnt2 | 0.193742784 | 0.726547276 | 2.050111585 | -0.395892304 | -1.046161025 | -1.442053329 | 0.136912188 | 0.277403284 | 0.414315472 |
| Gle1 | 0.440563641 | 0.585564495 | 1.628553908 | -0.400034831 | -0.569551092 | -0.969585923 | -0.255033977 | 0.47343832 | 0.218404343 |
| Polr1b | 0.401344011 | 0.529635583 | 1.572803843 | -0.101107772 | -0.804553414 | -0.905661186 | 0.0271838 | 0.238614847 | 0.265798646 |
| Pop1 | 0.278210443 | 0.555553178 | 1.607897975 | -0.107304348 | -0.786759724 | -0.894064072 | 0.170038387 | 0.265585072 | 0.43562346 |
| Ercc3 | 0.183497133 | 0.471905472 | 1.590646403 | -0.137395066 | -0.733496912 | -0.870891978 | 0.151013273 | 0.385244019 | 0.536257292 |
| Aqr | 0.344845332 | 0.702153958 | 1.872832316 | -0.100953807 | -0.757175365 | -0.858129172 | 0.256354819 | 0.413502993 | 0.669857812 |
| Mns1 | 0.587580581 | 0.758584794 | 1.864225348 | -0.057289037 | -0.637468426 | -0.694757462 | 0.113715176 | 0.468172129 | 0.581887305 |
| Mettl1 | 0.33335327 | 0.827272282 | 1.688877647 | -0.351915662 | -0.746061397 | -1.097977059 | 0.14200335 | 0.115543968 | 0.257547318 |
| Mphosph6 | 0.19379699 | 0.685982611 | 1.435705395 | -0.196818052 | -0.745451752 | -0.942269803 | 0.29536757 | 0.004271032 | 0.299638602 |
| Bag6 | 0.178923489 | 0.758338538 | 1.583023576 | -0.277594177 | -0.624191687 | -0.901785864 | 0.301820872 | 0.200493351 | 0.502314223 |
| Mrps27 | 0.429241428 | 0.998292711 | 1.548960384 | -0.526869812 | -0.305050692 | -0.831920504 | 0.042181471 | 0.245616981 | 0.287798453 |
| Tmx2 | 0.432943551 | 0.787839345 | 1.481688974 | -0.269693424 | -0.455913733 | -0.725607157 | 0.08520237 | 0.237935896 | 0.323138267 |
| Dmwd | 0.252050037 | 1.069279417 | 1.600688042 | -0.553290126 | -0.282810436 | -0.836100562 | 0.263939253 | 0.24859819 | 0.512537443 |
| Hspbp1 | 0.136341857 | 1.015300844 | 1.543259815 | -0.470056191 | -0.299947751 | -0.770003942 | 0.408902796 | 0.228011219 | 0.636914015 |
| Impdh2 | -0.227497342 | 0.516772071 | 1.242457704 | -0.308983389 | -0.853031472 | -1.162014861 | 0.435286024 | -0.127345839 | 0.307940185 |
| Hnrnpa0 | -0.294958319 | 0.622454971 | 1.303994658 | -0.247379885 | -0.798718585 | -1.04609847 | 0.670033405 | -0.117178898 | 0.552854507 |
| Stip1 | -0.209290917 | 0.506720819 | 1.461601664 | -0.297772767 | -0.944925829 | -1.242698596 | 0.418238969 | 0.009955015 | 0.428193984 |
| Actr3 | -0.113729982 | 0.380873733 | 1.501991913 | -0.104449543 | -1.042458928 | -1.146908471 | 0.390154171 | 0.078659253 | 0.468813424 |
| Ahsa1 | -0.046168735 | 0.958472547 | 1.756790923 | -0.486862092 | -0.608909301 | -1.095771393 | 0.51777919 | 0.189409075 | 0.707188265 |
| Dppa3 | -0.100351939 | 0.941948773 | 1.539986622 | -0.242784154 | -0.522685342 | -0.765469496 | 0.799516558 | 0.075352507 | 0.874869065 |
| Suds3 | 0.107409349 | 0.505106826 | 1.497479612 | -0.173028689 | -0.573174495 | -0.746203184 | 0.224668788 | 0.419198291 | 0.643867078 |
| Mat2b | -0.105849073 | 0.417056141 | 1.431607441 | 0.014094861 | -0.608873112 | -0.59477825 | 0.537000076 | 0.405678188 | 0.942678263 |
| Thumpd3 | -0.10837595 | 0.263430787 | 1.600694593 | -0.091212933 | -0.69566137 | -0.786874302 | 0.280593805 | 0.641602436 | 0.922196241 |
| Med24 | -0.022350476 | 0.436811098 | 1.63161384 | -0.138886946 | -0.523243738 | -0.662130684 | 0.320274627 | 0.671559005 | 0.991833632 |
| Med16 | 0.144781482 | 0.264608018 | 1.692289575 | 0.393930306 | -1.061359654 | -0.667429348 | 0.513756842 | 0.366321904 | 0.880078746 |
| Chtf8 | -0.192214659 | 0.190452168 | 1.480992454 | 0.189820284 | -0.759784782 | -0.569964498 | 0.572487111 | 0.530755504 | 1.103242615 |
| Cirh1a | -0.142316524 | 0.190419656 | 1.646391875 | 0.23831563 | -0.861198155 | -0.622882525 | 0.57105181 | 0.594774064 | 1.165825874 |
| Ralbp1 | -0.026822019 | 0.169959767 | 1.610331737 | 0.021319406 | -1.005131606 | -0.9838122 | 0.218101192 | 0.435240364 | 0.653341556 |
| Riok2 | 0.046736809 | 0.298474422 | 1.628254915 | 0.050137009 | -0.82499493 | -0.774857922 | 0.301874621 | 0.504785563 | 0.806660184 |
| Apex1 | -0.185417179 | 0.353393083 | 1.732011354 | 0.002019905 | -1.12959552 | -1.127575615 | 0.540830167 | 0.249022751 | 0.789852918 |
| Slc12a2 | -0.09137786 | 0.305983724 | 1.683007603 | 0.070436203 | -1.092915638 | -1.022479435 | 0.467797787 | 0.284108241 | 0.751906028 |
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| Dnaja1 | -0.326146693 | 0.196518198 | 1.625491786 | 0.019876604 | -1.012307715 | -0.992431111 | 0.542541494 | 0.416665873 | 0.959207367 |
| Gm10845 | 0.554455065 | 0.41636571 | 1.743964987 | -0.545077088 | -0.212267323 | -0.75734441 | -0.683166443 | 1.115331955 | 0.432165512 |
| Rras | 0.071849133 | 0.27803402 | 1.530282633 | -0.359968817 | -0.091842018 | -0.451810836 | -0.15378393 | 1.160406595 | 1.006622665 |
| Mid1ip1 | 0.046307083 | 0.66949573 | 2.216457061 | -0.679227047 | -0.80859952 | -1.487826568 | -0.0560384 | 0.738361811 | 0.682323411 |
| Tapbp | 0.316335749 | 0.898992488 | 2.284324875 | -0.877674886 | -0.61589456 | -1.493569445 | -0.295018146 | 0.769437828 | 0.474419681 |
| Ier3 | 0.069053627 | 0.606696208 | 2.420238896 | -1.111487119 | -0.575243301 | -1.686730421 | -0.573844538 | 1.238299386 | 0.664454848 |
| Tagln2 | 0.308141157 | 0.673624357 | 2.565482324 | -0.941136043 | -0.538879814 | -1.480015858 | -0.575652843 | 1.352978152 | 0.777325309 |
| Snhg3 | -0.452388072 | 0.892064581 | 1.404783565 | -1.233480521 | -0.516844258 | -1.750324778 | 0.110972133 | -0.004125274 | 0.106846859 |
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| Polr2e | 0.012100346 | 1.255297412 | 1.296538812 | -0.866482513 | -0.265565613 | -1.132048126 | 0.376714553 | -0.224324213 | 0.15239034 |
| Ppan | -0.232417502 | 0.725225995 | 1.53087225 | -0.78187971 | -0.788393559 | -1.570273269 | 0.175763787 | 0.017252696 | 0.193016483 |
| Map1lc3b | -0.10896 | 0.726467212 | 1.490220177 | -0.615223467 | -0.792461019 | -1.407684486 | 0.220203744 | -0.028708053 | 0.191495691 |
| Mkrn1 | -0.043575568 | 0.915254746 | 1.509212632 | -0.729173864 | -0.663900826 | -1.393074691 | 0.22965645 | -0.069942941 | 0.159713509 |
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| Tpm3 | 0.085212833 | 1.010558043 | 1.783327719 | -0.762833262 | -0.939903135 | -1.702736397 | 0.162511948 | -0.167133459 | -0.004621511 |
| Ftsj3 | 0.28772803 | 1.120148964 | 1.666465643 | -0.784888862 | -0.763606102 | -1.548494964 | 0.047532073 | -0.217289424 | -0.169757351 |
| Serpinh1 | -0.00118258 | 1.218680965 | 1.868969802 | -0.45024628 | -1.00670186 | -1.45694814 | 0.769617265 | -0.356413023 | 0.413204242 |
| Ldhb | -0.001103089 | 1.25009185 | 1.744864971 | -0.393999876 | -0.913839002 | -1.307838878 | 0.857195063 | -0.419065881 | 0.438129182 |
| 3110082I17Rik | 0.517847437 | 1.324457073 | 1.750191606 | -0.570082333 | -0.758477754 | -1.328560086 | 0.236527303 | -0.33274322 | -0.096215918 |
| Gga2 | 0.625595287 | 1.126176835 | 1.908856496 | -0.397511472 | -0.741337197 | -1.138848669 | 0.103070076 | 0.041342464 | 0.14441254 |
| B9d1 | 0.706763532 | 1.719193724 | 1.981563913 | -1.050866874 | 0.063234375 | -0.987632499 | -0.038436682 | 0.325604563 | 0.287167881 |
| Tmem192 | 0.493444946 | 1.143132892 | 1.69526122 | -0.767941489 | -0.151735696 | -0.919677184 | -0.118253543 | 0.400392633 | 0.28213909 |
| Eif1a | 0.543038385 | 1.32988687 | 1.743715703 | -0.829880789 | -0.042950472 | -0.872831262 | -0.043032304 | 0.37087836 | 0.327846056 |
| 1110038B12Rik | 0.143131899 | 1.361355992 | 1.854622714 | -1.235458258 | -0.390740245 | -1.626198503 | -0.017234165 | 0.102526477 | 0.085292311 |
| Bop1 | 0.53004215 | 1.393676707 | 1.769660025 | -0.799525139 | -0.441615399 | -1.241140539 | 0.064109417 | -0.065632081 | -0.001522664 |
| Sf3b4 | 0.516044284 | 1.373461335 | 1.885351582 | -0.781476934 | -0.394386262 | -1.175863196 | 0.075940117 | 0.117503985 | 0.193444102 |
| Wdr46 | 0.380874531 | 1.189691166 | 1.692585172 | -0.617094394 | -0.562981243 | -1.180075637 | 0.191722241 | -0.060087237 | 0.131635004 |
| Ing4 | 0.142547245 | 1.089575972 | 1.549604534 | -0.702022796 | -0.396721779 | -1.098744576 | 0.245005931 | 0.063306783 | 0.308312713 |
| Sbds | 0.297673873 | 0.930427609 | 1.54591809 | -0.727736059 | -0.354316087 | -1.082052146 | -0.094982323 | 0.261174394 | 0.166192071 |
| Cyb5r1 | 0.279453899 | 1.120639811 | 1.487736137 | -0.802928651 | -0.166285795 | -0.969214446 | 0.038257261 | 0.200810532 | 0.239067792 |
| Dstn | -0.020479104 | 0.857558373 | 2.117806415 | -0.594765588 | -0.646220109 | -1.240985697 | 0.283271889 | 0.614027933 | 0.897299822 |
| Aph1a | 0.009859899 | 0.87482629 | 2.117483889 | -0.475083475 | -0.96085422 | -1.435937695 | 0.389882916 | 0.281803379 | 0.671686295 |
| Ppp2r1a | -0.000756155 | 0.834822798 | 2.377832841 | -0.513560306 | -0.966869449 | -1.480429755 | 0.322018646 | 0.576140594 | 0.898159241 |
| Lamb1 | 0.448051113 | 0.624197397 | 2.162334815 | 0.044196452 | -1.089437006 | -1.045240555 | 0.220342735 | 0.448700412 | 0.669043147 |
| Il17rd | 0.448776914 | 0.903336817 | 1.99189807 | -0.005462782 | -0.906497688 | -0.911960469 | 0.449097121 | 0.182063565 | 0.631160687 |
| Rnf40 | 0.11067869 | 0.56965067 | 1.825955625 | -0.341556377 | -0.705119233 | -1.046675611 | 0.117415604 | 0.551185722 | 0.668601325 |
| Fam76a | -0.112298929 | 0.583283244 | 1.762652739 | -0.332905204 | -0.803581761 | -1.136486965 | 0.362676969 | 0.375787733 | 0.738464702 |
| D10Wsu102e | 0.075142238 | 0.637406001 | 1.966345777 | -0.186502938 | -0.81070278 | -0.997205717 | 0.375760825 | 0.518236996 | 0.893997821 |
| Dedd2 | 0.394130783 | 1.295365574 | 2.223534683 | -0.761075394 | -0.651083564 | -1.412158958 | 0.140159396 | 0.277085546 | 0.417244942 |
| Wbp2 | 0.552506494 | 1.45101196 | 2.158652646 | -0.588040376 | -0.67742935 | -1.265469726 | 0.31046509 | 0.030211335 | 0.340676425 |
| Rsph1 | 0.645749399 | 1.48398709 | 2.34361878 | -0.678447548 | -0.35894122 | -1.037388769 | 0.159790143 | 0.500690469 | 0.660480612 |
| Sh3bp4 | 0.306108587 | 1.324033894 | 2.430887087 | -0.558271502 | -0.68595769 | -1.244229192 | 0.459653805 | 0.420895503 | 0.880549309 |
| Bdh1 | 0.41008896 | 1.616790401 | 2.401531954 | -0.607491638 | -0.545971189 | -1.153462827 | 0.599209803 | 0.238770364 | 0.837980167 |
| Dhx38 | 0.212004079 | 0.831883007 | 1.822690817 | -0.674908033 | -0.476619517 | -1.15152755 | -0.055029105 | 0.514188293 | 0.459159188 |
| Fam100a | 0.144702645 | 1.072494316 | 1.734595081 | -0.72127774 | -0.285677614 | -1.006955354 | 0.206513931 | 0.376423151 | 0.582937082 |
| Sugt1 | 0.16025977 | 1.065068072 | 1.71627459 | -0.736557574 | -0.250067233 | -0.986624807 | 0.168250727 | 0.401139285 | 0.569390012 |
| Dvl2 | 0.229861924 | 1.077732603 | 1.900549325 | -0.627380371 | -0.769015147 | -1.396395518 | 0.220490308 | 0.053801574 | 0.274291882 |
| Rbms2 | 0.058596903 | 1.004986398 | 2.005134433 | -0.715777128 | -0.673026034 | -1.388803162 | 0.230612367 | 0.327122001 | 0.557734368 |
| Cc2d1b | 0.188188438 | 1.056330094 | 1.812699583 | -0.687529978 | -0.523123186 | -1.210653165 | 0.180611678 | 0.233246302 | 0.41385798 |
| Mapk7 | 0.408204594 | 1.231083042 | 1.877776527 | -0.454289932 | -0.427150542 | -0.881440474 | 0.368588516 | 0.219542943 | 0.588131459 |
| Prpsap1 | 0.316774463 | 1.367064125 | 1.992423416 | -0.528100038 | -0.486926456 | -1.015026494 | 0.522189624 | 0.138432835 | 0.660622459 |
| Usp28 | -0.52672941 | 0.016341081 | 2.509496718 | -0.308631739 | -1.253437076 | -1.562068815 | 0.234438752 | 1.239718562 | 1.474157314 |
| Acadm | -0.193425494 | 0.375414736 | 2.348392923 | -0.295045965 | -1.058810524 | -1.353856489 | 0.273794265 | 0.914167663 | 1.187961928 |
| Rsu1 | 0.26610326 | 0.758543804 | 2.863996185 | -0.174572612 | -1.150669516 | -1.325242128 | 0.317867932 | 0.954782865 | 1.272650797 |
| Gabarapl1 | -0.072336791 | 0.821593832 | 2.489608852 | -0.664679721 | -0.717182284 | -1.381862005 | 0.229250902 | 0.950832736 | 1.180083638 |
| Supt6h | 0.116708925 | 0.856642688 | 2.377177586 | -0.481000052 | -0.590741543 | -1.071741596 | 0.258933711 | 0.929793355 | 1.188727065 |
| Cdc42ep4 | 0.012946568 | 0.927040283 | 2.621662619 | -0.304234147 | -1.452949318 | -1.757183465 | 0.609859568 | 0.241673018 | 0.851532586 |
| X99384 | 0.071561917 | 0.922265791 | 2.867746747 | -0.165938305 | -1.431993313 | -1.597931618 | 0.684765568 | 0.513487644 | 1.198253212 |
| Ddx58 | -0.226031535 | 0.497743714 | 2.72838834 | 0.323766261 | -1.754295145 | -1.430528883 | 1.04754151 | 0.476349481 | 1.523890991 |
| Amot | -0.176862456 | 0.707012791 | 2.196442289 | 0.018924354 | -1.034417035 | -1.015492681 | 0.902799601 | 0.455012462 | 1.357812063 |
| Ddit4 | 0.184631522 | 0.817649015 | 2.395193302 | 0.26228514 | -1.339416457 | -1.077131317 | 0.895302633 | 0.23812783 | 1.133430463 |
| Kctd10 | 0.382091177 | 0.752065658 | 2.19779814 | -0.207100615 | -0.589655846 | -0.796756461 | 0.162873866 | 0.856076636 | 1.018950502 |
| Surf6 | 0.040831833 | 0.468754211 | 2.158069556 | -0.25248759 | -0.743620891 | -0.996108482 | 0.175434788 | 0.945694454 | 1.121129241 |
| Arrdc3 | 0.047975936 | 0.453939 | 2.113370489 | -0.160280613 | -0.642544378 | -0.802824991 | 0.245682451 | 1.016887112 | 1.262569563 |
| Tmem39b | 0.191952587 | 0.538762914 | 2.243464981 | 0.042539597 | -0.65141671 | -0.608877114 | 0.389349923 | 1.053285357 | 1.44263528 |
| Coq10b | 0.128719948 | 0.370709665 | 1.936752775 | -0.104962098 | -0.544360475 | -0.649322573 | 0.137027619 | 1.021682635 | 1.158710254 |
| Klc4 | 0.038635327 | 0.521068854 | 1.902374897 | -0.259694869 | -0.317967036 | -0.577661905 | 0.222738657 | 1.063339007 | 1.286077664 |
| Samhd1 | 0.386971405 | 1.097073457 | 1.668466764 | -0.243082231 | 0.053783721 | -0.18929851 | 0.467019821 | 0.625177028 | 1.092196849 |
| Gtf2b | 0.073553415 | 0.560045366 | 1.488334477 | -0.032260016 | -0.325872288 | -0.358132304 | 0.454231936 | 0.602416822 | 1.056648758 |
| Jund | -0.166272729 | 0.574947401 | 1.470172255 | -0.020714962 | -0.378583621 | -0.399298583 | 0.720505168 | 0.516641234 | 1.237146402 |
| Ccdc91 | 0.024349058 | 0.707012791 | 1.722264255 | -0.320125796 | -0.362472747 | -0.682598543 | 0.362537937 | 0.652778716 | 1.015316653 |
| Ddx41 | 0.163373083 | 0.846468202 | 1.722921153 | -0.291891585 | -0.360323934 | -0.652215519 | 0.391203534 | 0.516129018 | 0.907332551 |
| Dcaf8 | 0.155664539 | 0.857706117 | 2.037514595 | -0.054919581 | -0.584587431 | -0.639507012 | 0.647121998 | 0.595221046 | 1.242343044 |
| Nck2 | 0.20944145 | 0.700526506 | 1.858893945 | 0.015470962 | -0.431356065 | -0.415885103 | 0.506556018 | 0.727011373 | 1.233567392 |
| Tmem50a | 0.283248366 | 0.964118896 | 1.851593808 | -0.170259413 | -0.263809672 | -0.434069086 | 0.510611117 | 0.623665239 | 1.134276356 |
| Hbp1 | -0.457010439 | -0.144750987 | 1.297395007 | 0.432523278 | -0.804312352 | -0.371789073 | 0.744782731 | 0.637833642 | 1.382616373 |
| Nr2f6 | -0.615923508 | 0.091450653 | 1.903996544 | -0.005218858 | -0.868929085 | -0.874147942 | 0.702155303 | 0.943616806 | 1.645772109 |
| Rap1b | -0.34014953 | -0.235113387 | 1.367965509 | 0.105160641 | -0.655248435 | -0.550087793 | 0.210196785 | 0.947830461 | 1.158027245 |
| Fam168b | -0.215222855 | -0.013624727 | 1.597501783 | -0.075638978 | -0.837911159 | -0.913550137 | 0.12595915 | 0.773215351 | 0.899174501 |
| 3110002H16Rik | -0.262320335 | -0.077156039 | 1.477013677 | -0.018356858 | -0.734307291 | -0.752664149 | 0.166807438 | 0.819862424 | 0.986669863 |
| Wdr1 | -0.255761359 | 0.047468102 | 1.639620136 | -0.156253227 | -0.70557839 | -0.861831617 | 0.146976234 | 0.886573644 | 1.033549878 |
| Hmgxb4 | -0.233801979 | -0.013030918 | 1.698808847 | -0.060184943 | -0.760951854 | -0.821136797 | 0.160586117 | 0.950887912 | 1.111474029 |
| G2e3 | -0.040852694 | 0.309614314 | 1.921688895 | 0.194133203 | -0.854389009 | -0.660255806 | 0.544600211 | 0.757685573 | 1.302285784 |
| Cdc40 | 0.103322189 | 0.233515995 | 1.786210415 | 0.385224111 | -0.727981433 | -0.342757322 | 0.515417917 | 0.824712987 | 1.340130904 |
| Dcaf7 | -0.035143757 | 0.219299032 | 1.542959689 | 0.157032617 | -0.58181425 | -0.424781633 | 0.411475405 | 0.741846408 | 1.153321813 |
| 1110059E24Rik | -0.079592826 | 0.228317762 | 1.490165991 | 0.007834721 | -0.40018888 | -0.392354159 | 0.315745308 | 0.861659349 | 1.177404657 |
| Dcaf12 | -0.108464743 | 0.208004648 | 1.815426315 | 0.091935321 | -0.659132399 | -0.567197078 | 0.408404713 | 0.948289267 | 1.35669398 |
| Pld3 | 0.070958256 | 0.269340442 | 1.776250188 | 0.189439568 | -0.554447985 | -0.365008418 | 0.387821754 | 0.95246176 | 1.340283514 |
| Pgap2 | -0.044915883 | -0.074517705 | 1.567280188 | 0.482031929 | -0.698050501 | -0.216018573 | 0.452430107 | 0.943747391 | 1.396177499 |
| Phf13 | -0.161346323 | 0.235550815 | 1.377503115 | 0.154496422 | -0.274353022 | -0.1198566 | 0.55139356 | 0.867599278 | 1.418992838 |
| Mtr | 0.069977432 | 0.214825644 | 1.62598287 | 0.446320606 | -0.407625828 | 0.038694778 | 0.591168818 | 1.003531398 | 1.594700216 |
| Atg14 | -0.364170058 | -0.072192345 | 1.709177487 | 0.170482172 | -0.523355898 | -0.352873727 | 0.462459885 | 1.258013934 | 1.720473819 |
| Ehmt2 | -0.322541235 | 0.400108591 | 1.674178065 | 0.030870485 | -0.309715236 | -0.27884475 | 0.753520311 | 0.964354239 | 1.71787455 |
| Atp6v1b2 | -0.11851456 | 0.380090386 | 1.813150617 | 0.119564819 | -0.35494263 | -0.235377811 | 0.618169765 | 1.078117601 | 1.696287366 |
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| Rpl10l | -0.030809552 | -0.150018005 | 1.238626694 | -0.720379984 | 0.361684051 | -0.358695933 | -0.839588437 | 1.750328751 | 0.910740313 |
| Baiap2 | -0.496146803 | -0.5807952 | 1.1818198 | -0.272673431 | 0.411758481 | 0.13908505 | -0.357321829 | 2.17437348 | 1.817051652 |
| Hemt1 | 0.821223807 | 0.603004689 | 1.928981774 | -0.47559646 | 0.803028513 | 0.327432054 | -0.693815578 | 2.129005599 | 1.435190021 |
| Rpl26 | 0.682530249 | 0.181476848 | 1.160281675 | 0.232021942 | 0.742797896 | 0.974819837 | -0.26903146 | 1.721602723 | 1.452571263 |
| Zbtb43 | -0.455541496 | -0.407331636 | 2.0944736 | -0.025421297 | -0.810463023 | -0.83588432 | 0.022788563 | 1.691342212 | 1.714130775 |
| Phgdh | -0.028482953 | 0.112662441 | 2.945271688 | -0.055733681 | -0.758892102 | -0.814625783 | 0.085411712 | 2.073717146 | 2.159128858 |
| Dnmt3a | -0.178789029 | 0.107323271 | 2.578551838 | 0.082844041 | -0.808435664 | -0.725591623 | 0.368956341 | 1.662792902 | 2.031749243 |
| Hmox1 | -0.254105446 | 0.387988425 | 2.724952619 | -0.115155334 | -0.66477737 | -0.779932704 | 0.526938536 | 1.672186824 | 2.199125361 |
| Snord17 | -0.313878395 | -0.537095314 | 2.010879066 | -0.137550954 | 0.008075553 | -0.129475401 | -0.360767873 | 2.556049933 | 2.195282059 |
| Sult4a1 | -0.405368224 | -0.235517692 | 2.341765132 | -0.249332123 | -0.193257931 | -0.442590054 | -0.079481591 | 2.384024893 | 2.304543302 |
| Fabp9 | 0.635451065 | -0.021403332 | 2.709683666 | -0.053958072 | -0.19027112 | -0.244229192 | -0.710812468 | 2.540815877 | 1.830003409 |
| Gml | 0.460124668 | 0.245730184 | 2.656287123 | -0.063474222 | -0.229862923 | -0.293337145 | -0.277868706 | 2.180694015 | 1.90282531 |
| Plac8 | -0.209520333 | 0.474927374 | 2.794238282 | -0.555988248 | -0.429078515 | -0.985066763 | 0.128459459 | 1.890232393 | 2.018691851 |
| Kcnip2 | -0.234001573 | 0.620216109 | 2.862295205 | -0.609773234 | -0.083654877 | -0.693428111 | 0.244444448 | 2.158424219 | 2.402868667 |
| Gm6812 | -0.12200579 | 0.205443873 | 2.98783728 | -0.788429356 | -0.132110451 | -0.920539807 | -0.460979693 | 2.650282956 | 2.189303263 |
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| Cln3 | -0.101400739 | 0.305795589 | 3.063748946 | -0.259694869 | -0.433012128 | -0.692706997 | 0.147501459 | 2.324941229 | 2.472442688 |
| Syce1l | -0.176456385 | 0.264930405 | 3.020932057 | -0.340291808 | -0.215364428 | -0.555656236 | 0.101094982 | 2.540637225 | 2.641732206 |
| Snord1b | 0.545954133 | 3.333662675 | 3.841708362 | -2.16914714 | 0.91784799 | -1.251299149 | 0.618561402 | 1.425893678 | 2.04445508 |
| Snora81 | -0.034909449 | 0.45174255 | 2.170290125 | -0.481207598 | 0.004421845 | -0.476785753 | 0.005444401 | 1.72296942 | 1.728413821 |
| Cbara1 | 0.440218174 | 0.886154169 | 2.161048833 | -0.442319872 | 0.008260638 | -0.434059234 | 0.003616123 | 1.283155302 | 1.286771425 |
| Tmem40 | 0.323620182 | 1.069236606 | 2.154389853 | -0.844356481 | 0.346258746 | -0.498097734 | -0.098740058 | 1.431411994 | 1.332671937 |
| Cpne8 | 0.502484119 | 1.426227 | 2.094402867 | -1.300549621 | 0.766790996 | -0.533758626 | -0.376806741 | 1.434966863 | 1.058160122 |
| Snora33 | -0.127881896 | 1.363268661 | 2.07957379 | -1.316300996 | 0.843883976 | -0.47241702 | 0.17484956 | 1.560189105 | 1.735038665 |
| Snord22 | 0.016341559 | 0.967101859 | 1.772653046 | -0.704374979 | 0.679025097 | -0.025349881 | 0.246385321 | 1.484576285 | 1.730961606 |
| Mlana | 0.580746068 | 0.990330144 | 3.617898122 | -0.555676978 | -0.566753939 | -1.122430917 | -0.146092901 | 2.060814038 | 1.914721137 |
| Snord83b | 1.17368576 | 1.252905233 | 3.5694809 | -0.873376133 | 0.094876349 | -0.778499784 | -0.79415666 | 2.411452016 | 1.617295356 |
| Snord12 | 0.994111095 | 2.312739073 | 3.245426823 | -1.066374458 | 0.537838263 | -0.528536195 | 0.25225352 | 1.470526013 | 1.722779533 |
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| Rhd | 0.823543615 | 1.700166296 | 3.509229956 | -0.423018865 | -0.1041053 | -0.527124165 | 0.453603816 | 1.704958359 | 2.158562176 |
| Hspbap1 | 0.901542255 | 1.563559169 | 2.711355188 | -0.053958072 | -0.082400262 | -0.136358333 | 0.608058842 | 1.065395758 | 1.6734546 |
| Enkur | 0.799210718 | 1.313480261 | 3.037839201 | -0.395379813 | -0.334799693 | -0.730179505 | 0.11888973 | 1.389559247 | 1.508448977 |
| Tex21 | 0.332031582 | 1.304546369 | 2.507338281 | -0.54036071 | -0.191534072 | -0.731894782 | 0.432154078 | 1.01125784 | 1.443411917 |
| Akr1b8 | 0.382300109 | 1.582195799 | 2.904590475 | -0.772744715 | -0.288723165 | -1.06146788 | 0.427150974 | 1.033671511 | 1.460822485 |
| Meig1 | 0.724005314 | 2.14852167 | 3.832939599 | -0.053958072 | -0.493189902 | -0.547147973 | 1.370558284 | 1.191228028 | 2.561786311 |
| Krt42 | 0.20204958 | 2.000598585 | 2.92803842 | -0.340291808 | -0.206856165 | -0.547147973 | 1.458257197 | 0.72058367 | 2.178840867 |
| Vstm2l | 0.164568918 | 2.088376458 | 3.32139691 | -0.426595776 | -0.10052839 | -0.527124165 | 1.497211764 | 1.132492062 | 2.629703826 |
| Snora64 | -0.201618014 | 1.024886634 | 2.884594544 | -0.314791932 | -0.344758126 | -0.659550058 | 0.911712715 | 1.514949785 | 2.4266625 |
| Cited2 | -0.226470455 | 0.924381438 | 2.526613447 | 0.081890284 | -0.201522777 | -0.119632493 | 1.232742178 | 1.400709232 | 2.63345141 |
| Slc16a4 | -0.219868292 | 1.201241213 | 2.856065972 | -0.053958072 | -0.306864069 | -0.360822141 | 1.367151434 | 1.34796069 | 2.715112124 |
| Lgals2 | 0.202082382 | 1.297575084 | 3.016019309 | -0.053958072 | -0.19027112 | -0.244229192 | 1.041534631 | 1.528173104 | 2.569707735 |
| Tdrd5 | 0.170403561 | 1.192458614 | 3.172548715 | 0.137495289 | -0.406492193 | -0.268996903 | 1.159550343 | 1.573597908 | 2.733148251 |
| Snord65 | 0.04396457 | 1.188919953 | 3.484559554 | -0.649562772 | -0.522510655 | -1.172073427 | 0.49539261 | 1.773128947 | 2.268521557 |
| Snord35a | -0.103961569 | 1.233557095 | 4.021662418 | -0.766447336 | -0.490242768 | -1.256690104 | 0.571071329 | 2.297862555 | 2.868933884 |
| Snord96a | 0.417353424 | 0.978412639 | 3.213430685 | -0.296079129 | -0.243378891 | -0.53945802 | 0.264980086 | 1.991639154 | 2.256619241 |
| Snord55 | 0.544261327 | 1.271187694 | 3.764880588 | -0.172973178 | -0.341640727 | -0.514613905 | 0.553953189 | 2.152052167 | 2.706005356 |
| Snord32a | 0.09780406 | 1.540779461 | 3.825238244 | -0.537782013 | 0.068804588 | -0.468977425 | 0.905193388 | 2.35326337 | 3.258456759 |
| Pramef12 | 0.23004347 | 0.981090132 | 3.199141709 | -0.060428808 | 0.085356488 | 0.02492768 | 0.690617853 | 2.303408065 | 2.994025919 |
| Snora52 | -0.23037776 | 1.31867684 | 3.140657033 | -0.744394237 | 0.33111773 | -0.413276507 | 0.804660363 | 2.153097923 | 2.957758286 |
| Snord104 | -0.249743011 | 1.160964989 | 2.788640374 | -0.568557244 | 0.214429488 | -0.354127756 | 0.842150756 | 1.842104873 | 2.684255628 |
| Asb9 | -0.382912921 | 1.000598585 | 2.832910463 | -0.340291808 | 0.096062616 | -0.244229192 | 1.043219697 | 1.928374494 | 2.971594192 |