# GSEA Info for Top 50 Pathways (Without Lead Genes)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Term | ES | NES | NOM p-val | FDR q-val | FWER p-val | Tag % | Gene % | latent |
| prerank | Ribosome | -0.2538932143878554 | -3.142324180841197 | 0.0 | 0.0 | 0.0 | 64/112 | 30.62% | 0 |
| prerank | Oxidative phosphorylation | -0.2407197097865659 | -2.611673921650873 | 0.0 | 0.0 | 0.0 | 70/86 | 56.60% | 0 |
| prerank | Thermogenesis | -0.158950904011502 | -2.405693731233716 | 0.0 | 0.0 | 0.0 | 87/159 | 37.50% | 0 |
| prerank | Taste transduction | -0.3048429308211678 | -2.350171914030135 | 0.0 | 0.0 | 0.0 | 26/32 | 50.10% | 0 |
| prerank | Epstein-Barr virus infection | 0.0556416038563949 | 0.8350148290636356 | 0.603448275862069 | 1.0 | 1.0 | 115/179 | 59.99% | 0 |
| prerank | Oxidative phosphorylation | 0.1142496981063722 | 1.2249093076286393 | 0.1525423728813559 | 0.7361948188317199 | 1.0 | 52/86 | 50.47% | 1 |
| prerank | Epstein-Barr virus infection | -0.0756836049783082 | -1.1357622653143702 | 0.3448275862068966 | 0.6369253352905851 | 1.0 | 62/179 | 25.54% | 1 |
| prerank | Thermogenesis | 0.0748845499516672 | 1.0927577331087608 | 0.2948717948717949 | 0.8631416491166021 | 1.0 | 134/159 | 77.74% | 1 |
| prerank | Ribosome | 0.0936709992384217 | 1.062166029297325 | 0.3787878787878788 | 0.8778851648488162 | 1.0 | 24/112 | 13.53% | 1 |
| prerank | Taste transduction | -0.1334816003429303 | -0.9706323778105916 | 0.4444444444444444 | 0.7495123224441576 | 1.0 | 23/32 | 57.23% | 1 |
| prerank | Ribosome | -0.3256476601525599 | -4.022551650465103 | 0.0 | 0.0 | 0.0 | 82/112 | 40.25% | 2 |
| prerank | Oxidative phosphorylation | -0.2609235596349908 | -2.837492429056554 | 0.0 | 0.0 | 0.0 | 53/86 | 34.95% | 2 |
| prerank | Epstein-Barr virus infection | -0.1484226108201942 | -2.3752365815471905 | 0.0 | 0.0057049714751426 | 0.06 | 88/179 | 33.48% | 2 |
| prerank | Thermogenesis | -0.0882268099454029 | -1.3402073272558992 | 0.0975609756097561 | 0.2926098272734442 | 1.0 | 113/159 | 61.71% | 2 |
| prerank | Taste transduction | -0.133293065125292 | -0.9230062434315842 | 0.4888888888888889 | 0.6908604815084033 | 1.0 | 13/32 | 26.30% | 2 |
| prerank | Oxidative phosphorylation | -0.3275733015959381 | -3.400119111390953 | 0.0 | 0.0 | 0.0 | 67/86 | 44.66% | 3 |
| prerank | Ribosome | -0.2617170297897189 | -3.2861659380353325 | 0.0 | 0.0 | 0.0 | 87/112 | 51.10% | 3 |
| prerank | Epstein-Barr virus infection | -0.1059999709738502 | -1.86209483044086 | 0.0 | 0.0579973024510487 | 0.56 | 88/179 | 37.69% | 3 |
| prerank | Thermogenesis | -0.1212049069795281 | -1.8205604074176376 | 0.0 | 0.0682293846797823 | 0.64 | 72/159 | 32.36% | 3 |
| prerank | Taste transduction | -0.2244361798488704 | -1.5172067052040372 | 0.0256410256410256 | 0.1659770744115658 | 1.0 | 14/32 | 19.96% | 3 |
| prerank | Ribosome | -0.2232951808963537 | -2.8364443956286745 | 0.0 | 0.0 | 0.0 | 79/112 | 47.23% | 4 |
| prerank | Oxidative phosphorylation | -0.1384100937509499 | -1.484898203180035 | 0.025 | 0.3228428314904074 | 0.99 | 72/86 | 69.16% | 4 |
| prerank | Taste transduction | -0.1599142914597349 | -1.1002297033883486 | 0.4193548387096774 | 0.6523335661482501 | 1.0 | 27/32 | 67.63% | 4 |
| prerank | Thermogenesis | 0.0627232772891256 | 0.8261903765388551 | 0.717948717948718 | 0.8583973003841902 | 1.0 | 139/159 | 82.01% | 4 |
| prerank | Epstein-Barr virus infection | 0.0475756092253786 | 0.6652826145585135 | 0.8552631578947368 | 0.951003837479759 | 1.0 | 101/179 | 53.24% | 4 |
| prerank | Epstein-Barr virus infection | -0.2321369172794 | -3.8752412064043895 | 0.0 | 0.0 | 0.0 | 76/179 | 18.53% | 5 |
| prerank | Ribosome | -0.2331264509898629 | -3.037331039310221 | 0.0 | 0.0 | 0.0 | 87/112 | 53.96% | 5 |
| prerank | Oxidative phosphorylation | -0.2113046485189271 | -2.5688251815532457 | 0.0 | 0.0008765821089591 | 0.01 | 68/86 | 57.49% | 5 |
| prerank | Thermogenesis | 0.0767866793683777 | 1.1101762451219783 | 0.3225806451612903 | 1.0 | 1.0 | 136/159 | 78.48% | 5 |
| prerank | Taste transduction | -0.1278100605290263 | -0.8108845295541842 | 0.6666666666666666 | 0.8161653728339712 | 1.0 | 21/32 | 51.73% | 5 |
| prerank | Ribosome | -0.3293229152882386 | -4.450933710867719 | 0.0 | 0.0 | 0.0 | 68/112 | 27.16% | 6 |
| prerank | Oxidative phosphorylation | -0.2803922514121083 | -2.9523157014033363 | 0.0 | 0.0 | 0.0 | 70/86 | 52.93% | 6 |
| prerank | Epstein-Barr virus infection | -0.1612168197723371 | -2.83990224960349 | 0.0 | 0.0 | 0.0 | 80/179 | 27.60% | 6 |
| prerank | Thermogenesis | -0.1045309528713468 | -1.6119871628753508 | 0.0526315789473684 | 0.1086496401862565 | 0.98 | 102/159 | 52.93% | 6 |
| prerank | Taste transduction | -0.0803663969469782 | -0.5944365699407909 | 0.9473684210526316 | 0.950402144772118 | 1.0 | 22/32 | 59.83% | 6 |
| prerank | Epstein-Barr virus infection | -0.1065109835343221 | -1.744106362733484 | 0.0 | 0.1176882575158902 | 0.78 | 49/179 | 15.52% | 7 |
| prerank | Ribosome | 0.1120774229219907 | 1.279890247034121 | 0.1076923076923077 | 0.7245521177194651 | 1.0 | 58/112 | 42.30% | 7 |
| prerank | Oxidative phosphorylation | 0.108161573283124 | 1.119584501050699 | 0.3442622950819672 | 0.9349297823532704 | 1.0 | 75/86 | 77.11% | 7 |
| prerank | Thermogenesis | 0.0715029801756083 | 1.0268194922167353 | 0.463768115942029 | 0.9815923459967548 | 1.0 | 129/159 | 75.05% | 7 |
| prerank | Taste transduction | 0.1249958881658193 | 0.8067070959874992 | 0.6229508196721312 | 1.0 | 1.0 | 23/32 | 61.00% | 7 |
| prerank | Thermogenesis | 0.1367508982822331 | 1.9891285890048445 | 0.0 | 0.1958251871161404 | 0.47 | 88/159 | 42.83% | 8 |
| prerank | Ribosome | 0.1454806205398361 | 1.7462592473255552 | 0.0408163265306122 | 0.3844675970986771 | 0.87 | 84/112 | 61.29% | 8 |
| prerank | Oxidative phosphorylation | 0.1309589399054042 | 1.3715003663606282 | 0.0666666666666666 | 0.7863250756787104 | 1.0 | 31/86 | 24.00% | 8 |
| prerank | Epstein-Barr virus infection | -0.0775275389761539 | -1.2408344861416116 | 0.1379310344827586 | 0.4750103126804719 | 1.0 | 105/179 | 50.05% | 8 |
| prerank | Taste transduction | -0.1302957666471551 | -0.876358542353001 | 0.5769230769230769 | 0.8278352697259158 | 1.0 | 12/32 | 23.35% | 8 |
| prerank | Thermogenesis | -0.1337794037804547 | -2.100302981011935 | 0.0 | 0.0240763092961898 | 0.22 | 50/159 | 16.67% | 9 |
| prerank | Oxidative phosphorylation | -0.1564861632838065 | -1.6899188229068458 | 0.0 | 0.1199516123863745 | 0.88 | 29/86 | 16.56% | 9 |
| prerank | Epstein-Barr virus infection | -0.0805443311691613 | -1.3345202650671202 | 0.125 | 0.3780101242756428 | 1.0 | 74/179 | 31.81% | 9 |
| prerank | Ribosome | -0.0944119478879425 | -1.2113882241551532 | 0.2222222222222222 | 0.5218758215459836 | 1.0 | 24/112 | 10.81% | 9 |
| prerank | Taste transduction | 0.142512319190756 | 0.8988740228825484 | 0.5555555555555556 | 1.0 | 1.0 | 8/32 | 12.37% | 9 |
| prerank | Ribosome | -0.1971230410161868 | -2.6788469240337296 | 0.0 | 0.0025584472871636 | 0.01 | 72/112 | 43.60% | 10 |
| prerank | Epstein-Barr virus infection | -0.1636372192150541 | -2.540005734409352 | 0.0 | 0.0031980591089545 | 0.02 | 85/179 | 29.82% | 10 |
| prerank | Oxidative phosphorylation | 0.1500924419982399 | 1.5510957038556674 | 0.0307692307692307 | 0.3611661477497877 | 0.99 | 52/86 | 46.85% | 10 |
| prerank | Thermogenesis | 0.1123031774550938 | 1.5077141535503211 | 0.088235294117647 | 0.4161262137117119 | 0.99 | 90/159 | 46.85% | 10 |
| prerank | Taste transduction | 0.1335782743774241 | 0.8638481365202263 | 0.65625 | 0.9752898173595196 | 1.0 | 21/32 | 53.91% | 10 |
| prerank | Epstein-Barr virus infection | -0.1548800515752707 | -2.431047289293832 | 0.0 | 0.0014575470250698 | 0.01 | 82/179 | 28.95% | 11 |
| prerank | Oxidative phosphorylation | 0.1182173254761076 | 1.1944193154577427 | 0.2622950819672131 | 0.6175221922037823 | 1.0 | 66/86 | 65.98% | 11 |
| prerank | Thermogenesis | 0.0840036749263786 | 1.118619955095944 | 0.28125 | 0.6860132448708288 | 1.0 | 95/159 | 52.77% | 11 |
| prerank | Ribosome | -0.0782791132880562 | -1.0479330673375782 | 0.3823529411764705 | 0.5760692258123907 | 1.0 | 71/112 | 54.18% | 11 |
| prerank | Taste transduction | -0.142353790073346 | -0.9466568114068772 | 0.4883720930232558 | 0.7009968306571455 | 1.0 | 12/32 | 21.73% | 11 |
| prerank | Ribosome | -0.1590080895545469 | -2.112035134935741 | 0.0 | 0.0280182897168985 | 0.25 | 82/112 | 56.27% | 12 |
| prerank | Oxidative phosphorylation | -0.1324742005360538 | -1.4618884159029404 | 0.081081081081081 | 0.2967726739750436 | 1.0 | 61/86 | 56.39% | 12 |
| prerank | Epstein-Barr virus infection | -0.0828798991794913 | -1.3064769028044512 | 0.1304347826086956 | 0.3912372091377831 | 1.0 | 61/179 | 24.35% | 12 |
| prerank | Taste transduction | -0.1640753539772809 | -1.2020766986467593 | 0.2285714285714285 | 0.4926908484063849 | 1.0 | 9/32 | 10.31% | 12 |
| prerank | Thermogenesis | 0.0430498109286673 | 0.6098984184263628 | 0.935064935064935 | 1.0 | 1.0 | 138/159 | 83.46% | 12 |
| prerank | Thermogenesis | 0.1106799758428105 | 1.552844450861132 | 0.1212121212121212 | 0.501035356316775 | 1.0 | 84/159 | 43.54% | 13 |
| prerank | Taste transduction | 0.1898271430862881 | 1.238439155252835 | 0.2 | 0.8120975144105445 | 1.0 | 8/32 | 7.70% | 13 |
| prerank | Ribosome | 0.101008067665986 | 1.158800145280816 | 0.2816901408450704 | 0.7224988615683561 | 1.0 | 57/112 | 42.36% | 13 |
| prerank | Oxidative phosphorylation | 0.0893802743756362 | 0.9178164713944112 | 0.5151515151515151 | 0.7740193224552736 | 1.0 | 75/86 | 79.11% | 13 |
| prerank | Epstein-Barr virus infection | -0.0369440849574122 | -0.5773223972275305 | 1.0 | 0.9895624758934112 | 1.0 | 162/179 | 86.23% | 13 |
| prerank | Ribosome | -0.2499602236106113 | -3.402811022966832 | 0.0 | 0.0 | 0.0 | 70/112 | 36.31% | 14 |
| prerank | Oxidative phosphorylation | -0.2533110757351272 | -2.8823733635911024 | 0.0 | 0.0 | 0.0 | 58/86 | 40.98% | 14 |
| prerank | Epstein-Barr virus infection | -0.1403322253608299 | -2.563615113060528 | 0.0 | 0.0026311111111111 | 0.01 | 89/179 | 34.09% | 14 |
| prerank | Thermogenesis | -0.0782485007267294 | -1.1257550331930222 | 0.2941176470588235 | 0.5246178861788618 | 1.0 | 110/159 | 60.17% | 14 |
| prerank | Taste transduction | 0.1120801633981848 | 0.7121301279549598 | 0.8653846153846154 | 1.0 | 1.0 | 29/32 | 79.91% | 14 |
| prerank | Epstein-Barr virus infection | -0.1564731165548349 | -2.6231667792912323 | 0.0 | 0.0 | 0.0 | 58/179 | 15.80% | 15 |
| prerank | Oxidative phosphorylation | -0.1427779365221995 | -1.5459902681911917 | 0.0714285714285714 | 0.1606630509590157 | 1.0 | 45/86 | 37.13% | 15 |
| prerank | Ribosome | -0.0835052583452637 | -1.0457258246958143 | 0.4473684210526316 | 0.6350407605087761 | 1.0 | 64/112 | 47.89% | 15 |
| prerank | Thermogenesis | 0.0685810193717143 | 0.9241792850269684 | 0.609375 | 0.9146829405107706 | 1.0 | 86/159 | 48.40% | 15 |
| prerank | Taste transduction | -0.1089751365711126 | -0.8046743421424567 | 0.7021276595744681 | 0.85876914142102 | 1.0 | 22/32 | 56.79% | 15 |
| prerank | Oxidative phosphorylation | -0.1934690155536926 | -2.25791714368282 | 0.0 | 0.013528491052921 | 0.1 | 70/86 | 61.20% | 16 |
| prerank | Thermogenesis | -0.119985713017665 | -2.059011466760391 | 0.0 | 0.0243252675663099 | 0.25 | 118/159 | 61.23% | 16 |
| prerank | Ribosome | -0.0986916187640376 | -1.2343055799625748 | 0.2413793103448276 | 0.5549282964592411 | 1.0 | 93/112 | 72.43% | 16 |
| prerank | Epstein-Barr virus infection | -0.0735439406826843 | -1.2010141513757822 | 0.25 | 0.5515253606328525 | 1.0 | 121/179 | 59.04% | 16 |
| prerank | Taste transduction | -0.1417973572809813 | -0.9239386376720244 | 0.6538461538461539 | 0.8495865697820095 | 1.0 | 15/32 | 31.04% | 16 |
| prerank | Ribosome | -0.1429843414461468 | -1.935132220388343 | 0.0 | 0.0402945619335347 | 0.44 | 86/112 | 61.80% | 17 |
| prerank | Epstein-Barr virus infection | -0.0989803694223771 | -1.6377537736470795 | 0.0 | 0.1405948784347576 | 0.95 | 86/179 | 37.03% | 17 |
| prerank | Oxidative phosphorylation | -0.1321516800386444 | -1.5503137660883377 | 0.0294117647058823 | 0.1873047842836362 | 0.98 | 47/86 | 40.21% | 17 |
| prerank | Thermogenesis | -0.0495010447489337 | -0.753272068712083 | 0.8709677419354839 | 0.9325568175837132 | 1.0 | 80/159 | 44.25% | 17 |
| prerank | Taste transduction | 0.0837504809450444 | 0.5391166734889357 | 1.0 | 0.986275292019886 | 1.0 | 18/32 | 49.33% | 17 |
| prerank | Ribosome | -0.2300643695538789 | -3.032637747261451 | 0.0 | 0.0 | 0.0 | 67/112 | 36.08% | 18 |
| prerank | Oxidative phosphorylation | -0.2258420027873637 | -2.426969664198208 | 0.0 | 0.0030002293168904 | 0.03 | 61/86 | 47.80% | 18 |
| prerank | Epstein-Barr virus infection | -0.163436713082365 | -2.312736020117996 | 0.0 | 0.0060671303963784 | 0.07 | 66/179 | 19.74% | 18 |
| prerank | Thermogenesis | -0.0540860555409017 | -0.8808549381934389 | 0.6428571428571429 | 0.7158308325876414 | 1.0 | 137/159 | 80.28% | 18 |
| prerank | Taste transduction | 0.0903422763299656 | 0.5715602775591783 | 0.9423076923076924 | 0.9854396948327132 | 1.0 | 12/32 | 29.38% | 18 |
| prerank | Ribosome | -0.2865315189205287 | -3.5741418374315392 | 0.0 | 0.0 | 0.0 | 80/112 | 41.74% | 19 |
| prerank | Oxidative phosphorylation | -0.228410490583011 | -2.4631593708013453 | 0.0 | 0.0 | 0.0 | 40/86 | 22.24% | 19 |
| prerank | Epstein-Barr virus infection | -0.1084580718550667 | -1.9171496093342697 | 0.0 | 0.0473985890652557 | 0.4 | 77/179 | 30.61% | 19 |
| prerank | Thermogenesis | -0.0895152851569006 | -1.32764710460203 | 0.1363636363636363 | 0.420344560588463 | 1.0 | 132/159 | 73.22% | 19 |
| prerank | Taste transduction | 0.1926586094746618 | 1.1079070707887402 | 0.3859649122807017 | 0.806349607678106 | 1.0 | 30/32 | 74.82% | 19 |
| prerank | Epstein-Barr virus infection | -0.0853369011310599 | -1.5479124740309584 | 0.0303030303030303 | 0.2999792957090357 | 0.97 | 46/179 | 15.94% | 20 |
| prerank | Ribosome | -0.1077871147797501 | -1.3732178053318371 | 0.0666666666666666 | 0.3707169657065273 | 1.0 | 59/112 | 40.58% | 20 |
| prerank | Taste transduction | -0.147339358915744 | -1.0153596695405562 | 0.4722222222222222 | 0.697960819046414 | 1.0 | 12/32 | 21.09% | 20 |
| prerank | Thermogenesis | 0.0542222308163235 | 0.7571389446423754 | 0.7866666666666666 | 0.9763971347870776 | 1.0 | 150/159 | 89.39% | 20 |
| prerank | Oxidative phosphorylation | 0.0704483502934994 | 0.7206262365493948 | 0.8235294117647058 | 0.9541908068839632 | 1.0 | 84/86 | 90.89% | 20 |
| prerank | Ribosome | 0.227543804362252 | 2.561665516577705 | 0.0 | 0.0061374558508482 | 0.01 | 72/112 | 42.71% | 21 |
| prerank | Epstein-Barr virus infection | -0.1441302848400509 | -2.324946604635544 | 0.0 | 0.0037351456909816 | 0.05 | 112/179 | 47.05% | 21 |
| prerank | Taste transduction | 0.2050893693918116 | 1.3499798123440814 | 0.1639344262295081 | 1.0 | 1.0 | 31/32 | 76.55% | 21 |
| prerank | Oxidative phosphorylation | -0.11407752268435 | -1.2261204071398637 | 0.2258064516129032 | 0.3921902975530735 | 1.0 | 28/86 | 20.10% | 21 |
| prerank | Thermogenesis | -0.0423312481418022 | -0.7048522598483786 | 0.935483870967742 | 0.919570897674442 | 1.0 | 152/159 | 91.18% | 21 |
| prerank | Epstein-Barr virus infection | -0.104099107261312 | -1.5395196576693624 | 0.08 | 0.137222527976518 | 0.99 | 38/179 | 9.71% | 22 |
| prerank | Ribosome | -0.1188469970281153 | -1.5179883663741862 | 0.0666666666666666 | 0.1478504771584324 | 0.99 | 32/112 | 15.52% | 22 |
| prerank | Oxidative phosphorylation | -0.1063207806531286 | -1.2234510409142016 | 0.1666666666666666 | 0.3499987708812442 | 1.0 | 64/86 | 62.78% | 22 |
| prerank | Taste transduction | -0.1162346220625998 | -0.8115098576982108 | 0.6571428571428571 | 0.7833040746558256 | 1.0 | 17/32 | 39.94% | 22 |
| prerank | Thermogenesis | 0.0308342620424767 | 0.4293938133054199 | 1.0 | 0.9970842273202398 | 1.0 | 29/159 | 16.15% | 22 |
| prerank | Epstein-Barr virus infection | -0.1490222125794351 | -2.4517198895361614 | 0.0 | 0.0081440791451449 | 0.04 | 94/179 | 36.77% | 23 |
| prerank | Oxidative phosphorylation | -0.1900501123715608 | -1.909310181176379 | 0.0 | 0.0470320570632122 | 0.42 | 71/86 | 63.12% | 23 |
| prerank | Taste transduction | -0.1815968266524949 | -1.3009534103446785 | 0.1428571428571428 | 0.3487975389103511 | 1.0 | 10/32 | 12.03% | 23 |
| prerank | Thermogenesis | -0.0755688546724218 | -1.0832749743737218 | 0.303030303030303 | 0.5208393115793502 | 1.0 | 61/159 | 29.92% | 23 |
| prerank | Ribosome | 0.0520079995085884 | 0.64139179465484 | 0.8679245283018868 | 0.955425070683007 | 1.0 | 53/112 | 43.18% | 23 |
| prerank | Oxidative phosphorylation | -0.2140088342006968 | -2.5581159053371945 | 0.0 | 0.0010142228443316 | 0.01 | 46/86 | 31.19% | 24 |
| prerank | Epstein-Barr virus infection | -0.1580411043735501 | -2.550278082209685 | 0.0 | 0.0009466079880428 | 0.01 | 60/179 | 16.72% | 24 |
| prerank | Taste transduction | -0.1907365919825491 | -1.293927415862764 | 0.2156862745098039 | 0.3142951241198439 | 1.0 | 17/32 | 32.98% | 24 |
| prerank | Ribosome | -0.0860341248910368 | -1.1004974235817673 | 0.3103448275862069 | 0.4815245370754795 | 1.0 | 106/112 | 85.90% | 24 |
| prerank | Thermogenesis | -0.0711413956891996 | -1.0751266704488225 | 0.3333333333333333 | 0.5077702335860602 | 1.0 | 117/159 | 65.75% | 24 |
| prerank | Thermogenesis | 0.1659622741611206 | 2.2467535634369544 | 0.0 | 0.041135225375626 | 0.17 | 116/159 | 57.68% | 25 |
| prerank | Oxidative phosphorylation | 0.188872351022407 | 2.166578649559165 | 0.0 | 0.0467445742904841 | 0.25 | 40/86 | 29.28% | 25 |
| prerank | Ribosome | -0.1565338198474687 | -1.860725280286564 | 0.0285714285714285 | 0.1290420066485343 | 0.64 | 69/112 | 44.77% | 25 |
| prerank | Taste transduction | -0.166541500257256 | -1.2417514094893585 | 0.1489361702127659 | 0.5870489573889394 | 1.0 | 11/32 | 16.31% | 25 |
| prerank | Epstein-Barr virus infection | -0.0471492858169478 | -0.753211572826966 | 0.8888888888888888 | 0.9572471118372036 | 1.0 | 148/179 | 77.11% | 25 |
| prerank | Epstein-Barr virus infection | -0.1120298340814006 | -2.0146072424615937 | 0.0 | 0.0252861368312757 | 0.23 | 103/179 | 44.77% | 26 |
| prerank | Oxidative phosphorylation | -0.1609719325626107 | -1.7046833340244654 | 0.03125 | 0.1078765707671957 | 0.75 | 44/86 | 33.41% | 26 |
| prerank | Ribosome | -0.1061645417419538 | -1.3642996693988605 | 0.15 | 0.3313058609825103 | 1.0 | 73/112 | 53.04% | 26 |
| prerank | Taste transduction | 0.1592193386692686 | 1.0458250483076112 | 0.3461538461538461 | 0.9616015093405912 | 1.0 | 10/32 | 17.21% | 26 |
| prerank | Thermogenesis | 0.0563497911713277 | 0.7360008639741472 | 0.8260869565217391 | 0.9576472894762056 | 1.0 | 90/159 | 52.59% | 26 |
| prerank | Ribosome | -0.1964814337453577 | -2.496369619941877 | 0.0 | 0.0 | 0.0 | 89/112 | 58.81% | 27 |
| prerank | Epstein-Barr virus infection | -0.1227396672517917 | -2.377325966460432 | 0.0 | 0.0035433331129767 | 0.02 | 102/179 | 42.99% | 27 |
| prerank | Taste transduction | -0.116205108934208 | -0.8434816132145562 | 0.6415094339622641 | 0.767727265474158 | 1.0 | 11/32 | 21.36% | 27 |
| prerank | Thermogenesis | 0.0549077516421173 | 0.7168894036733295 | 0.8412698412698413 | 0.9068752813784474 | 1.0 | 62/159 | 35.14% | 27 |
| prerank | Oxidative phosphorylation | -0.0615741373995872 | -0.6477804376991224 | 0.9117647058823528 | 0.9522364394893263 | 1.0 | 33/86 | 30.82% | 27 |
| prerank | Epstein-Barr virus infection | -0.1655189474382541 | -2.870958226917452 | 0.0 | 0.0 | 0.0 | 77/179 | 25.63% | 28 |
| prerank | Ribosome | -0.2069016676747544 | -2.800232676708195 | 0.0 | 0.0 | 0.0 | 80/112 | 50.28% | 28 |
| prerank | Thermogenesis | 0.1313157689829146 | 1.88494187185635 | 0.0 | 0.4625279304305816 | 0.67 | 110/159 | 56.99% | 28 |
| prerank | Taste transduction | -0.1471600495573211 | -0.9981835364480396 | 0.391304347826087 | 0.6522519625967902 | 1.0 | 30/32 | 78.87% | 28 |
| prerank | Oxidative phosphorylation | -0.0719395400172545 | -0.7948374235753343 | 0.7 | 0.858257819010995 | 1.0 | 85/86 | 91.65% | 28 |
| prerank | Ribosome | -0.3640114664957908 | -4.447733367143593 | 0.0 | 0.0 | 0.0 | 77/112 | 31.66% | 29 |
| prerank | Oxidative phosphorylation | -0.2743933145830459 | -3.267497189735176 | 0.0 | 0.0 | 0.0 | 57/86 | 37.99% | 29 |
| prerank | Thermogenesis | -0.1322448508758917 | -2.085066924759269 | 0.0227272727272727 | 0.0196933560477001 | 0.24 | 96/159 | 46.08% | 29 |
| prerank | Epstein-Barr virus infection | 0.0919162478505591 | 1.2637288151803443 | 0.1571428571428571 | 0.5393307349274904 | 1.0 | 58/179 | 24.48% | 29 |
| prerank | Taste transduction | -0.1409379951415683 | -0.9495072224306784 | 0.6 | 0.9666477380276356 | 1.0 | 15/32 | 31.53% | 29 |
| prerank | Oxidative phosphorylation | -0.2601385384155186 | -3.008403321908917 | 0.0 | 0.0 | 0.0 | 69/86 | 53.33% | 30 |
| prerank | Ribosome | -0.2225102822614033 | -2.9368797355344225 | 0.0 | 0.0 | 0.0 | 73/112 | 41.60% | 30 |
| prerank | Thermogenesis | -0.1091719810812835 | -1.7218181735948006 | 0.0 | 0.0964372318597276 | 0.76 | 114/159 | 59.59% | 30 |
| prerank | Taste transduction | -0.1681589880592587 | -1.1892261384806169 | 0.2325581395348837 | 0.4385299727053663 | 1.0 | 26/32 | 63.47% | 30 |
| prerank | Epstein-Barr virus infection | 0.0557083601545044 | 0.8433363336922206 | 0.625 | 0.7871948695747323 | 1.0 | 25/179 | 9.59% | 30 |
| prerank | Ribosome | -0.3088603817864165 | -4.5095090913599805 | 0.0 | 0.0 | 0.0 | 67/112 | 27.76% | 31 |
| prerank | Oxidative phosphorylation | -0.2280577290437473 | -2.633010961111174 | 0.0 | 0.0067149673087117 | 0.03 | 46/86 | 29.19% | 31 |
| prerank | Thermogenesis | -0.1089243720432984 | -1.6118959971372937 | 0.0357142857142857 | 0.1765077121147098 | 0.94 | 58/159 | 24.24% | 31 |
| prerank | Taste transduction | 0.1692150451803977 | 1.1212167825319377 | 0.2666666666666666 | 1.0 | 1.0 | 8/32 | 9.57% | 31 |
| prerank | Epstein-Barr virus infection | -0.0540938598818739 | -0.8876800724429279 | 0.5625 | 0.8275281530626998 | 1.0 | 108/179 | 53.43% | 31 |
| prerank | Ribosome | -0.2578530355840409 | -3.32931674505725 | 0.0 | 0.0 | 0.0 | 51/112 | 18.35% | 32 |
| prerank | Oxidative phosphorylation | -0.3010482068914579 | -3.251304941949133 | 0.0 | 0.0 | 0.0 | 55/86 | 32.65% | 32 |
| prerank | Thermogenesis | -0.195088115043457 | -3.1460939081379293 | 0.0 | 0.0 | 0.0 | 84/159 | 31.91% | 32 |
| prerank | Taste transduction | -0.1598448791793256 | -1.1499614807625744 | 0.2391304347826087 | 0.5808088388094853 | 1.0 | 9/32 | 10.34% | 32 |
| prerank | Epstein-Barr virus infection | 0.0430492200213103 | 0.6365137133053301 | 0.8985507246376812 | 0.9827247306416328 | 1.0 | 116/179 | 61.99% | 32 |
| prerank | Ribosome | -0.3630708010063278 | -4.739782665252094 | 0.0 | 0.0 | 0.0 | 85/112 | 39.11% | 33 |
| prerank | Oxidative phosphorylation | -0.3017187042155527 | -3.166046240333104 | 0.0 | 0.0 | 0.0 | 70/86 | 50.74% | 33 |
| prerank | Thermogenesis | -0.1383763649312712 | -2.030776858527007 | 0.0 | 0.0216223562388516 | 0.33 | 107/159 | 52.73% | 33 |
| prerank | Epstein-Barr virus infection | -0.1147388570848083 | -1.731023342971171 | 0.0344827586206896 | 0.0902363833497384 | 0.8 | 68/179 | 25.48% | 33 |
| prerank | Taste transduction | -0.2120107719433776 | -1.489015373061367 | 0.0980392156862745 | 0.2118406523401002 | 0.99 | 14/32 | 21.31% | 33 |
| prerank | Oxidative phosphorylation | -0.2545196538658869 | -2.853425457553988 | 0.0 | 0.0 | 0.0 | 59/86 | 41.96% | 34 |
| prerank | Epstein-Barr virus infection | -0.1406276819473865 | -2.199380839754852 | 0.0 | 0.0069618490671122 | 0.08 | 101/179 | 40.64% | 34 |
| prerank | Ribosome | -0.1404734864995973 | -1.6958172669378744 | 0.0 | 0.0890740364424574 | 0.86 | 55/112 | 33.62% | 34 |
| prerank | Taste transduction | -0.1327015686283943 | -0.9523420525198376 | 0.4772727272727273 | 0.6694432158828444 | 1.0 | 8/32 | 10.41% | 34 |
| prerank | Thermogenesis | -0.0642275325875987 | -0.9438060795186816 | 0.5121951219512195 | 0.6694621168305378 | 1.0 | 46/159 | 21.19% | 34 |
| prerank | Epstein-Barr virus infection | -0.1337794321853186 | -2.1911135547340184 | 0.0 | 0.0103028113374597 | 0.14 | 66/179 | 22.07% | 35 |
| prerank | Thermogenesis | 0.1169191327605175 | 1.5391984192601724 | 0.0422535211267605 | 0.8218183832899328 | 1.0 | 88/159 | 45.25% | 35 |
| prerank | Oxidative phosphorylation | 0.0975026009723607 | 1.0324645616114798 | 0.4 | 0.9667967358698148 | 1.0 | 53/86 | 53.19% | 35 |
| prerank | Taste transduction | -0.1216536857868528 | -0.8727845560307057 | 0.5957446808510638 | 0.7538368738593555 | 1.0 | 19/32 | 45.99% | 35 |
| prerank | Ribosome | -0.0485747667164141 | -0.5931017707095675 | 0.9393939393939394 | 0.9753651291582288 | 1.0 | 84/112 | 69.03% | 35 |
| prerank | Oxidative phosphorylation | -0.2263274299523434 | -2.737231883792341 | 0.0 | 0.0 | 0.0 | 64/86 | 50.58% | 36 |
| prerank | Thermogenesis | -0.1201911536898513 | -1.9299521792350136 | 0.0 | 0.0538910872432636 | 0.44 | 93/159 | 44.78% | 36 |
| prerank | Taste transduction | 0.211778769747215 | 1.3365944361544937 | 0.173076923076923 | 0.5778762826788498 | 1.0 | 24/32 | 55.02% | 36 |
| prerank | Ribosome | -0.1034471847868074 | -1.2945477592320158 | 0.125 | 0.3413102192073362 | 1.0 | 49/112 | 31.63% | 36 |
| prerank | Epstein-Barr virus infection | -0.0576208425867244 | -0.9646737080773496 | 0.5 | 0.700175868349978 | 1.0 | 43/179 | 16.70% | 36 |
| prerank | Ribosome | -0.2780402190998905 | -3.7626702164566943 | 0.0 | 0.0 | 0.0 | 80/112 | 42.60% | 37 |
| prerank | Oxidative phosphorylation | -0.1833048188200864 | -2.050333616747916 | 0.0 | 0.0303655660377358 | 0.28 | 76/86 | 69.50% | 37 |
| prerank | Epstein-Barr virus infection | -0.0958088948657161 | -1.629439063271938 | 0.0 | 0.1462421909509686 | 0.86 | 102/179 | 46.10% | 37 |
| prerank | Thermogenesis | -0.0836067027722523 | -1.3190298606653903 | 0.1666666666666666 | 0.3955309627479438 | 1.0 | 152/159 | 87.09% | 37 |
| prerank | Taste transduction | 0.1273989683571168 | 0.8722501590968771 | 0.576271186440678 | 0.7863051117965717 | 1.0 | 6/32 | 7.30% | 37 |
| prerank | Thermogenesis | 0.1543315294185555 | 2.100021315152871 | 0.0149253731343283 | 0.2416159380188157 | 0.42 | 97/159 | 47.08% | 38 |
| prerank | Ribosome | -0.1395500689620349 | -2.0428100405841603 | 0.0 | 0.0313967673071058 | 0.19 | 88/112 | 63.77% | 38 |
| prerank | Epstein-Barr virus infection | -0.0968682231117353 | -1.5861196199728786 | 0.0 | 0.163543404553038 | 0.91 | 48/179 | 15.98% | 38 |
| prerank | Oxidative phosphorylation | 0.1404503366589868 | 1.4065092972713316 | 0.1166666666666666 | 0.7813613724405091 | 1.0 | 51/86 | 46.79% | 38 |
| prerank | Taste transduction | -0.1333043674603921 | -0.933825652743302 | 0.5853658536585366 | 0.7637583520474647 | 1.0 | 23/32 | 57.40% | 38 |
| prerank | Epstein-Barr virus infection | -0.1208544640341385 | -1.8792193758859483 | 0.0 | 0.0779192913084126 | 0.6 | 71/179 | 26.75% | 39 |
| prerank | Ribosome | -0.1214087761786404 | -1.6738897666231272 | 0.0277777777777777 | 0.1330911766058209 | 0.86 | 64/112 | 44.26% | 39 |
| prerank | Oxidative phosphorylation | -0.1337418025070802 | -1.4844452740123826 | 0.0909090909090909 | 0.2296105568072095 | 0.98 | 66/86 | 62.70% | 39 |
| prerank | Taste transduction | -0.1912523199587957 | -1.3816456726391608 | 0.1333333333333333 | 0.3064158024799114 | 1.0 | 13/32 | 20.46% | 39 |
| prerank | Thermogenesis | 0.0383834139505656 | 0.5746257618987081 | 0.9696969696969696 | 1.0 | 1.0 | 140/159 | 84.73% | 39 |
| prerank | Ribosome | -0.1330614426196696 | -1.6552021458471902 | 0.0476190476190476 | 0.1990882759126407 | 0.9 | 96/112 | 71.95% | 40 |
| prerank | Taste transduction | -0.1995615584775341 | -1.532337126571576 | 0.0465116279069767 | 0.2384375715795661 | 1.0 | 9/32 | 6.79% | 40 |
| prerank | Oxidative phosphorylation | -0.1128483370623297 | -1.2799354987414728 | 0.1707317073170731 | 0.3859904273473485 | 1.0 | 50/86 | 45.85% | 40 |
| prerank | Thermogenesis | -0.069802249076307 | -0.9963950374822887 | 0.4615384615384615 | 0.6727154407149333 | 1.0 | 47/159 | 21.68% | 40 |
| prerank | Epstein-Barr virus infection | -0.0423759172324384 | -0.6557109849000161 | 0.9333333333333332 | 0.9560671357686714 | 1.0 | 36/179 | 15.15% | 40 |
| prerank | Oxidative phosphorylation | -0.3178452567996256 | -3.2308443138546794 | 0.0 | 0.0 | 0.0 | 60/86 | 36.90% | 41 |
| prerank | Ribosome | -0.2398031423342298 | -3.2183620427351154 | 0.0 | 0.0 | 0.0 | 62/112 | 29.85% | 41 |
| prerank | Epstein-Barr virus infection | -0.0925176446724106 | -1.5139748150739774 | 0.0714285714285714 | 0.1867903688977247 | 1.0 | 94/179 | 41.80% | 41 |
| prerank | Thermogenesis | -0.0858185058777302 | -1.2891483325508557 | 0.1388888888888889 | 0.362055310413939 | 1.0 | 73/159 | 35.91% | 41 |
| prerank | Taste transduction | 0.1355329698643851 | 0.9167825200406078 | 0.6101694915254238 | 0.8683607535453032 | 1.0 | 11/32 | 22.45% | 41 |
| prerank | Ribosome | -0.1640123151182866 | -2.203301450185885 | 0.0 | 0.0058554195650259 | 0.03 | 47/112 | 24.40% | 42 |
| prerank | Epstein-Barr virus infection | -0.1240266084660245 | -2.058553522884664 | 0.0 | 0.0156144521734026 | 0.12 | 58/179 | 18.85% | 42 |
| prerank | Oxidative phosphorylation | -0.1371541527892488 | -1.525522447158714 | 0.0789473684210526 | 0.164211988690284 | 0.99 | 31/86 | 21.18% | 42 |
| prerank | Thermogenesis | 0.0720718234332094 | 1.0664691857698492 | 0.4 | 0.6857369966176559 | 1.0 | 76/159 | 41.91% | 42 |
| prerank | Taste transduction | 0.1515671345565241 | 1.030931393872168 | 0.4230769230769231 | 0.7313310413885615 | 1.0 | 18/32 | 42.56% | 42 |
| prerank | Oxidative phosphorylation | -0.2727001833743558 | -3.240032787152209 | 0.0 | 0.0 | 0.0 | 61/86 | 42.59% | 43 |
| prerank | Ribosome | -0.2035206597539268 | -2.6583790691907123 | 0.0 | 0.0 | 0.0 | 54/112 | 26.37% | 43 |
| prerank | Epstein-Barr virus infection | -0.1166104695400355 | -1.923537561138284 | 0.0 | 0.0455769077000986 | 0.48 | 63/179 | 22.09% | 43 |
| prerank | Thermogenesis | -0.1254676352054362 | -1.845754742062561 | 0.0 | 0.0558676937018577 | 0.64 | 118/159 | 60.51% | 43 |
| prerank | Taste transduction | -0.0841319508329352 | -0.5943039962466512 | 0.9310344827586208 | 0.9839238785681922 | 1.0 | 5/32 | 6.19% | 43 |
| prerank | Oxidative phosphorylation | -0.2321417570446411 | -2.608379742905366 | 0.0 | 0.0050045703839122 | 0.03 | 45/86 | 27.77% | 44 |
| prerank | Thermogenesis | -0.1553811792791847 | -2.413857190150817 | 0.0 | 0.0033363802559414 | 0.03 | 73/159 | 29.10% | 44 |
| prerank | Epstein-Barr virus infection | -0.0995353249186391 | -1.777463698855575 | 0.0 | 0.0973110907982937 | 0.78 | 65/179 | 24.97% | 44 |
| prerank | Ribosome | -0.082706191996807 | -1.1703424936817148 | 0.1891891891891892 | 0.5609355503322596 | 1.0 | 94/112 | 74.95% | 44 |
| prerank | Taste transduction | -0.115225257303539 | -0.7379242450079108 | 0.8333333333333334 | 0.9559267559120128 | 1.0 | 18/32 | 43.30% | 44 |
| prerank | Epstein-Barr virus infection | -0.1483740711922618 | -2.5401627938768514 | 0.0 | 0.0028021015761821 | 0.01 | 94/179 | 36.32% | 45 |
| prerank | Ribosome | -0.1752683634281028 | -2.1107840486152813 | 0.0 | 0.0196147110332749 | 0.12 | 104/112 | 75.04% | 45 |
| prerank | Thermogenesis | -0.0971470308528347 | -1.6584616343711849 | 0.0344827586206896 | 0.1473697865992086 | 0.9 | 91/159 | 46.24% | 45 |
| prerank | Oxidative phosphorylation | -0.109608407267224 | -1.2988032557097435 | 0.1481481481481481 | 0.4687428614939465 | 1.0 | 33/86 | 26.02% | 45 |
| prerank | Taste transduction | -0.1551495073391745 | -1.0785825390232742 | 0.3076923076923077 | 0.6719363847209733 | 1.0 | 20/32 | 45.38% | 45 |
| prerank | Ribosome | -0.1431119957761128 | -1.872286502984436 | 0.0 | 0.0499218630888855 | 0.55 | 73/112 | 49.78% | 46 |
| prerank | Epstein-Barr virus infection | -0.0793189315278572 | -1.3118898412789644 | 0.1481481481481481 | 0.2911412835816963 | 1.0 | 123/179 | 59.66% | 46 |
| prerank | Thermogenesis | 0.0936037460391565 | 1.2548579471203485 | 0.1969696969696969 | 1.0 | 1.0 | 111/159 | 61.67% | 46 |
| prerank | Oxidative phosphorylation | 0.0813586157156401 | 0.8352347040497169 | 0.6470588235294118 | 0.9734071341051324 | 1.0 | 59/86 | 61.67% | 46 |
| prerank | Taste transduction | -0.0950583728437162 | -0.6570628315004804 | 0.8235294117647058 | 0.918104559291236 | 1.0 | 26/32 | 70.77% | 46 |
| prerank | Epstein-Barr virus infection | -0.1052548510684108 | -1.6942473121961907 | 0.0 | 0.1527238882643749 | 0.83 | 70/179 | 27.11% | 47 |
| prerank | Taste transduction | -0.1665622841165926 | -1.1589575677115576 | 0.1578947368421052 | 0.5307371527555014 | 1.0 | 27/32 | 66.92% | 47 |
| prerank | Ribosome | 0.0928670008454053 | 1.0481938467277976 | 0.3174603174603174 | 0.9726296283829868 | 1.0 | 60/112 | 46.00% | 47 |
| prerank | Oxidative phosphorylation | 0.0764689987773298 | 0.8349208881250927 | 0.6190476190476191 | 0.9295712285133726 | 1.0 | 27/86 | 25.32% | 47 |
| prerank | Thermogenesis | 0.0516962539223096 | 0.6632178111894441 | 0.8947368421052632 | 0.9660380807615692 | 1.0 | 77/159 | 44.90% | 47 |
| prerank | Ribosome | -0.2086899163590077 | -2.8344373214639305 | 0.0 | 0.0 | 0.0 | 92/112 | 60.70% | 48 |
| prerank | Oxidative phosphorylation | -0.1847751109308437 | -2.06696296442626 | 0.0 | 0.0289672920968369 | 0.27 | 57/86 | 46.54% | 48 |
| prerank | Taste transduction | -0.2350461769872571 | -1.5705780859429173 | 0.0344827586206896 | 0.229022653140617 | 0.97 | 17/32 | 27.56% | 48 |
| prerank | Epstein-Barr virus infection | -0.087385234757465 | -1.4178785746948572 | 0.0625 | 0.3207701610135031 | 1.0 | 53/179 | 19.58% | 48 |
| prerank | Thermogenesis | 0.0805316014676845 | 1.1124624427720406 | 0.2876712328767123 | 0.7825594377496813 | 1.0 | 56/159 | 28.71% | 48 |
| prerank | Oxidative phosphorylation | -0.2510168501713146 | -2.7585729333414672 | 0.0 | 0.0094270547318323 | 0.01 | 61/86 | 44.79% | 49 |
| prerank | Thermogenesis | -0.0826014889987527 | -1.424594202281424 | 0.0 | 0.3296102350879946 | 1.0 | 85/159 | 43.73% | 49 |
| prerank | Epstein-Barr virus infection | 0.1011614267036261 | 1.4215808102880614 | 0.1111111111111111 | 0.4581956717621208 | 1.0 | 46/179 | 17.31% | 49 |
| prerank | Taste transduction | -0.1487174195437644 | -1.1160397511139348 | 0.35 | 0.6191689547867472 | 1.0 | 20/32 | 46.14% | 49 |
| prerank | Ribosome | -0.0626830455571333 | -0.8321608130739544 | 0.6756756756756757 | 0.9056015526361488 | 1.0 | 109/112 | 90.87% | 49 |