|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Stomach | | | | Pyloric caeca | | | | Hindgut | | | | Liver | | | |
|  |  |  | Fingerling | | Juvenile | | Fingerling | | Juvenile | | Fingerling | | Juvenile | | Fingerling | | Juvenile | |
| gene\_id | genename | annotation | Log2 FC | *q* | Log2 FC | *q* | Log2 FC | *q* | Log2 FC | *q* | Log2 FC | *q* | Log2 FC | *q* | Log2 FC | *q* | Log2 FC | *q* |
| gene10008:106603558 | acat1 | cholesterol metabolism | 0.06 | 0.99 | 0.06 | 1.00 | 0.12 | 0.90 | -0.04 | 0.97 | 0.08 | 0.99 | -0.06 | 0.95 | 0.26 | 1.00 | -0.15 | 0.88 |
| gene10893:106604248 | nsdhl\_1 | cholesterol metabolism | 0.58 | 0.76 | -0.82 | 1.00 | 2.32 | 0.00 | 0.37 | 0.51 | 0.26 | 0.97 | -0.27 | 0.66 | 0.29 | 1.00 | -0.28 | 0.72 |
| gene11266:106604636 | abca1b\_1 | cholesterol metabolism | -0.39 | 0.90 | -0.07 | 1.00 | 0.03 | 0.98 | -0.24 | 0.87 | 3.41 | 0.29 | 0.20 | 0.93 | -0.43 | 1.00 | 0.46 | 0.59 |
| gene12202:106605546 | sqlea\_2 | cholesterol metabolism | 0.80 | 0.59 | -1.10 | 1.00 | 4.25 | 0.00 | 2.77 | 0.00 | 1.21 | 0.63 | 0.04 | 0.99 | 0.76 | 1.00 | 0.43 | 0.60 |
| gene12543:100195349 | fdps\_1 | cholesterol metabolism | 0.62 | 0.36 | -0.57 | 1.00 | 3.28 | 0.00 | 0.75 | 0.06 | 1.14 | 0.31 | -0.33 | 0.41 | 0.73 | 1.00 | 0.07 | 0.96 |
| gene12573:106605924 | fdps\_2 | cholesterol metabolism | 0.32 | 0.88 | -0.48 | 1.00 | 2.81 | 0.00 | 0.52 | 0.33 | 0.65 | 0.81 | -0.38 | 0.28 | 0.52 | 1.00 | -0.37 | 0.79 |
| gene14753:100380689 | fdft1 | cholesterol metabolism | 0.28 | 0.90 | -0.40 | 1.00 | 3.02 | 0.00 | 0.84 | 0.11 | 0.57 | 0.56 | 0.27 | 0.64 | 0.72 | 1.00 | 0.10 | 0.94 |
| gene14769:100194920 | acat2 | cholesterol metabolism | 0.38 | 0.75 | 0.04 | 1.00 | 2.13 | 0.00 | -0.10 | 0.95 | 0.54 | 0.70 | 0.09 | 0.92 | 0.72 | 0.99 | 0.46 | 0.62 |
| gene16790:106609880 | abca1aa\_1 | cholesterol metabolism | -1.04 | 0.08 | -0.02 | 1.00 | -1.13 | 0.00 | 0.08 | 0.97 | 0.04 | 0.99 | -0.10 | 0.97 | 0.08 | 1.00 | 0.10 | 0.92 |
| gene19210:106612199 | nsdhl\_2 | cholesterol metabolism | 0.36 | 0.89 | -0.19 | 1.00 | 1.68 | 0.00 | 0.19 | 0.81 | 0.25 | 0.94 | -0.30 | 0.68 | 0.29 | 1.00 | 0.44 | 0.56 |
| gene20959:106613907 | soat1b | cholesterol metabolism | 0.11 | 0.98 | -0.23 | 1.00 | 0.56 | 0.18 | 0.43 | 0.48 | -0.42 | 0.82 | 0.07 | 0.92 | -0.32 | 1.00 | 0.28 | 0.91 |
| gene21554:106560734 | faxdc2 | cholesterol metabolism | 0.96 | 0.82 | 1.39 | 1.00 | 0.34 | 0.65 | -0.45 | 0.62 | -0.41 | 0.95 | 1.06 | 0.02 | 0.47 | 1.00 | 0.85 | 0.12 |
| gene21813:106560930 | lcata\_1 | cholesterol metabolism | 1.77 | 0.18 | NA | NA | -0.91 | 0.56 | NA | NA | NA | NA | NA | NA | 0.15 | 1.00 | -0.23 | 0.75 |
| gene22885:106562054 | dhcr7\_1 | cholesterol metabolism | 0.38 | 0.85 | -0.12 | 1.00 | 0.51 | 0.27 | -0.50 | 0.49 | 0.40 | 0.95 | 0.23 | 0.64 | 0.34 | 1.00 | 0.60 | 0.29 |
| gene23108:106562275 | mvd\_2 | cholesterol metabolism | 0.24 | 0.91 | -0.63 | 1.00 | 1.82 | 0.00 | 0.20 | 0.85 | 0.33 | 0.90 | -0.24 | 0.71 | 0.51 | 1.00 | -0.15 | 0.87 |
| gene23840:100136503 | scarb1 | cholesterol metabolism | -0.05 | 0.99 | 0.11 | 1.00 | 2.63 | 0.00 | 1.66 | 0.01 | 4.01 | 0.29 | 0.14 | 0.94 | 0.04 | 1.00 | 0.40 | 0.54 |
| gene2674:100380797 | hmgcraa | cholesterol metabolism | 0.38 | 0.65 | -0.43 | 1.00 | 0.08 | 0.94 | -0.05 | 0.97 | -0.23 | 0.93 | 0.03 | 0.98 | -0.15 | 1.00 | -0.33 | 0.57 |
| gene28765:100195087 | sc5d\_1 | cholesterol metabolism | 0.19 | 0.96 | -0.20 | 1.00 | 1.92 | 0.00 | 0.28 | 0.76 | 0.16 | 0.98 | 0.40 | 0.31 | 0.56 | 1.00 | 0.35 | 0.71 |
| gene29822:106568727 | hsd17b7 | cholesterol metabolism | 0.14 | 0.97 | -0.36 | 1.00 | 1.56 | 0.00 | 0.65 | 0.14 | 0.29 | 0.93 | -0.20 | 0.79 | 0.54 | 1.00 | 0.23 | 0.78 |
| gene3028:106571543 | hmgcs1 | cholesterol metabolism | 1.09 | 0.06 | -0.63 | 1.00 | 3.85 | 0.00 | 0.81 | 0.11 | 1.14 | 0.39 | -0.21 | 0.79 | 0.75 | 1.00 | 0.11 | 0.94 |
| gene31312:106570209 | cyp51\_1 | cholesterol metabolism | 0.40 | 0.82 | -0.49 | 1.00 | 2.98 | 0.00 | 0.84 | 0.04 | 0.41 | 0.89 | 0.05 | 0.96 | 0.60 | 1.00 | 0.16 | 0.87 |
| gene31970:106570829 | hmgcrab | cholesterol metabolism | 0.56 | 0.70 | -0.31 | 1.00 | 4.42 | 0.00 | 0.59 | 0.48 | 0.50 | 0.85 | -0.49 | 0.41 | 0.57 | 1.00 | 0.39 | 0.65 |
| gene34152:106573007 | ebp\_1 | cholesterol metabolism | 0.31 | 0.92 | -0.10 | 1.00 | 2.63 | 0.00 | 0.26 | 0.84 | -0.17 | 0.98 | 0.32 | 0.60 | 0.27 | 1.00 | 0.96 | 0.13 |
| gene3869:106579093 | sqlea\_1 | cholesterol metabolism | 0.76 | 0.26 | -0.48 | 1.00 | 4.25 | 0.00 | 1.28 | 0.00 | 0.01 | 1.00 | 0.18 | 0.90 | 0.49 | 1.00 | -0.05 | 0.96 |
| gene38748:106577627 | abca1ab\_1 | cholesterol metabolism | 1.71 | 0.50 | 0.39 | 1.00 | 1.01 | 0.00 | 0.37 | 0.61 | -0.06 | 0.99 | 0.14 | 0.86 | 0.72 | 1.00 | -0.16 | 0.94 |
| gene39622:106578532 | idi1 | cholesterol metabolism | 0.40 | 0.80 | -0.40 | 1.00 | 2.48 | 0.00 | -0.17 | 0.84 | 0.41 | 0.89 | 0.06 | 0.94 | 0.95 | 1.00 | -0.13 | 0.94 |
| gene39856:100196754 | ggps1\_1 | cholesterol metabolism | -0.07 | 0.99 | -0.22 | 1.00 | -0.01 | 1.00 | -0.30 | 0.59 | 0.04 | 1.00 | 0.06 | 0.96 | 0.21 | 1.00 | -0.24 | 0.79 |
| gene39863:100196754 | ggps1\_2 | cholesterol metabolism | 0.00 | 1.00 | -0.20 | 1.00 | -0.29 | 0.83 | -0.15 | 0.94 | -0.05 | 1.00 | -0.25 | 0.81 | 0.94 | 1.00 | NA | NA |
| gene4022:106580429 | pmvk | cholesterol metabolism | 0.07 | 0.99 | -0.19 | 1.00 | 0.37 | 0.51 | -0.28 | 0.67 | -0.15 | 0.97 | 0.05 | 0.97 | 0.27 | 1.00 | -0.17 | 0.90 |
| gene41075:106580105 | mvk\_1 | cholesterol metabolism | 0.38 | 0.77 | -0.03 | 1.00 | 1.76 | 0.00 | 0.45 | 0.50 | 0.38 | 0.91 | 0.07 | 0.97 | 0.57 | 1.00 | -0.13 | 0.92 |
| gene42887:106581851 | lss | cholesterol metabolism | 1.12 | 0.02 | -0.23 | 1.00 | 3.35 | 0.00 | 0.38 | 0.54 | 0.70 | 0.73 | 0.00 | 1.00 | 0.52 | 1.00 | 0.52 | 0.51 |
| gene45485:106584213 | dhcr24 | cholesterol metabolism | 0.35 | 0.81 | -0.32 | 1.00 | 0.73 | 0.04 | -0.03 | 0.98 | 1.49 | 0.70 | 0.66 | 0.48 | -0.03 | 1.00 | 0.99 | 0.08 |
| gene46974:106585666 | mvk\_2 | cholesterol metabolism | 0.12 | 0.99 | -0.37 | 1.00 | 2.38 | 0.00 | 1.32 | 0.01 | 0.46 | 0.93 | -0.36 | 0.57 | 0.96 | 0.71 | -0.03 | 0.99 |
| gene47685:106586453 | lcatb | cholesterol metabolism | -0.61 | 0.71 | 0.66 | 1.00 | -0.16 | 0.94 | -0.05 | 0.98 | -0.30 | 0.95 | -0.21 | 0.90 | -0.42 | 1.00 | -0.25 | 0.87 |
| gene48374:106587139 | dhcr7\_2 | cholesterol metabolism | 0.79 | 0.54 | 0.24 | 1.00 | 1.72 | 0.00 | 0.46 | 0.46 | 0.62 | 0.84 | 0.13 | 0.84 | 0.10 | 1.00 | 0.54 | 0.34 |
| gene48659:100195467 | mvd\_1 | cholesterol metabolism | 0.79 | 0.55 | -0.53 | 1.00 | 3.28 | 0.00 | 0.32 | 0.72 | 0.11 | 0.99 | -0.01 | 0.99 | 0.70 | 1.00 | 0.23 | 0.86 |
| gene49988:106588568 | cyp51\_2 | cholesterol metabolism | 0.50 | 0.68 | -0.52 | 1.00 | 3.12 | 0.00 | 0.97 | 0.01 | 0.43 | 0.90 | -0.01 | 1.00 | 0.51 | 1.00 | 0.21 | 0.82 |
| gene61022:106590825 | msmo1 | cholesterol metabolism | 0.94 | 0.09 | -0.26 | 1.00 | 2.76 | 0.00 | 0.62 | 0.27 | 0.28 | 0.95 | 0.60 | 0.45 | 0.49 | 1.00 | 1.20 | 0.00 |
| gene77668:106591920 | ebp\_2 | cholesterol metabolism | 0.26 | 0.92 | -0.20 | 1.00 | 2.63 | 0.00 | 0.10 | 0.95 | 0.17 | 0.98 | 0.04 | 0.97 | 0.17 | 1.00 | 0.87 | 0.12 |
| gene8976:106602602 | abca1aa\_2 | cholesterol metabolism | -1.11 | 0.28 | 0.29 | 1.00 | -1.06 | 0.07 | -0.06 | 0.98 | -0.33 | 0.91 | 0.15 | 0.84 | 0.16 | 1.00 | 0.53 | 0.31 |
| gene9686:106603135 | tm7sf2 | cholesterol metabolism | 0.60 | 0.62 | -0.49 | 1.00 | 1.81 | 0.00 | -0.07 | 0.96 | 0.38 | 0.92 | 0.03 | 0.98 | 0.33 | 1.00 | 0.69 | 0.32 |
| gene15593:106608787 | abca1ab\_2 | cholesterol metabolism | NA | NA | NA | NA | 2.00 | 0.00 | 1.42 | 0.11 | -0.46 | 0.95 | 0.06 | 0.98 | NA | NA | NA | NA |
| gene18632:106611642 | abca1b\_2 | cholesterol metabolism | NA | NA | NA | NA | -0.04 | 0.99 | 0.39 | 0.79 | NA | NA | NA | NA | NA | NA | NA | NA |
| gene27202:106566146 | soat1a | cholesterol metabolism | NA | NA | NA | NA | -0.28 | 0.82 | 0.15 | 0.89 | -0.58 | 0.91 | 0.81 | 0.07 | -0.39 | 1.00 | 0.87 | 0.19 |
| gene30078:106569008 | cyp7a1\_2 | cholesterol metabolism | NA | NA | NA | NA | 1.24 | 0.26 | -0.14 | 0.93 | NA | NA | NA | NA | NA | NA | 0.07 | 0.99 |
| gene32241:106571093 | slc10a1a\_2 | cholesterol metabolism | NA | NA | NA | NA | -1.34 | 0.00 | -1.43 | 0.19 | NA | NA | NA | NA | NA | NA | NA | NA |
| gene42971:106581787 | abcb11a | cholesterol metabolism | NA | NA | -0.19 | 1.00 | -2.55 | 0.00 | -1.10 | 0.52 | NA | NA | NA | NA | NA | NA | NA | NA |
| gene43020:106581743 | slc10a2 | cholesterol metabolism | NA | NA | 3.44 | 1.00 | 4.99 | 0.00 | 1.61 | 0.56 | -0.49 | 0.91 | -0.15 | 0.89 | NA | NA | NA | NA |
| gene46282:106585168 | npc1l1 | cholesterol metabolism | NA | NA | 0.15 | 1.00 | 1.30 | 0.00 | 0.56 | 0.43 | 0.61 | 0.89 | 0.38 | 0.41 | 0.14 | 1.00 | 0.83 | 0.04 |
| gene51252:106589694 | abcg5 | cholesterol metabolism | NA | NA | NA | NA | -0.66 | 0.08 | -0.55 | 0.29 | -0.46 | 0.88 | 0.53 | 0.27 | -0.12 | 1.00 | 0.62 | 0.21 |
| gene51253:106589695 | abcg8 | cholesterol metabolism | NA | NA | 1.05 | 1.00 | -0.35 | 0.57 | -0.37 | 0.70 | 0.11 | 0.99 | 0.66 | 0.05 | 0.16 | 1.00 | 0.44 | 0.43 |
| gene6284:106599162 | cyp7a1\_1 | cholesterol metabolism | NA | NA | NA | NA | 1.72 | 0.00 | -0.96 | 0.18 | NA | NA | NA | NA | 1.15 | 0.28 | 0.46 | 0.80 |
| gene64539:106594019 | abcb4 | cholesterol metabolism | NA | NA | 0.46 | 1.00 | 5.74 | 0.00 | 2.96 | 0.14 | 0.07 | 1.00 | 0.00 | 1.00 | -0.40 | 1.00 | -0.24 | 0.77 |
| gene34834:106573639 | lcata\_2 | cholesterol metabolism | NA | NA | NA | NA | NA | NA | -0.96 | 0.73 | NA | NA | NA | NA | 0.15 | 1.00 | -0.03 | 0.98 |
| gene36392:106575306 | abcb11b | cholesterol metabolism | NA | NA | NA | NA | NA | NA | 0.03 | 0.99 | NA | NA | -0.78 | 0.80 | -0.49 | 1.00 | 0.09 | 0.94 |
| gene10376:106603829 | acsl6\_2 | fatty acid metabolism | 0.02 | 1.00 | 0.43 | 1.00 | -0.01 | 0.99 | 0.01 | 1.00 | -0.22 | 0.97 | 0.57 | 0.19 | NA | NA | -0.06 | 0.97 |
| gene10464:106603912 | fabp6\_1 | fatty acid metabolism | -0.04 | 1.00 | 4.25 | 1.00 | 7.43 | 0.00 | 5.10 | 0.02 | -0.37 | 0.96 | 0.65 | 0.44 | 1.99 | 0.02 | 0.31 | 0.72 |
| gene10937:106604299 | acsl4b | fatty acid metabolism | -0.31 | 0.88 | -0.02 | 1.00 | -0.13 | 0.93 | -0.54 | 0.27 | 0.01 | 1.00 | -0.08 | 0.93 | 1.48 | 0.06 | 0.63 | 0.61 |
| gene11201:106604515 | elovl6\_1 | fatty acid metabolism | 0.61 | 0.62 | 0.04 | 1.00 | 1.10 | 0.24 | 0.31 | 0.93 | -0.64 | 0.93 | 0.14 | 0.97 | 1.16 | 0.40 | 0.35 | 0.82 |
| gene11205:100195992 | adh5a\_1 | fatty acid metabolism | -0.27 | 0.91 | -0.05 | 1.00 | 0.31 | 0.55 | -0.06 | 0.97 | -0.16 | 0.96 | 0.10 | 0.90 | 0.15 | 1.00 | -0.19 | 0.80 |
| gene11794:106605182 | fabp10a\_2 | fatty acid metabolism | 2.61 | 0.03 | NA | NA | NA | NA | 1.09 | 0.71 | NA | NA | -1.47 | 0.17 | -0.22 | 1.00 | -0.03 | 0.98 |
| gene12240:106605645 | aldhm | fatty acid metabolism | 0.49 | 0.95 | 0.08 | 1.00 | 1.92 | 0.01 | -0.36 | 0.95 | 1.49 | 0.29 | 0.77 | 0.80 | -0.50 | 1.00 | -0.36 | 0.90 |
| gene12923:106606271 | eci1c | fatty acid metabolism | 0.60 | 0.59 | -0.20 | 1.00 | -0.18 | 0.92 | -0.14 | 0.92 | 0.29 | 0.93 | -0.16 | 0.88 | 0.13 | 1.00 | 0.13 | 0.90 |
| gene13443:106606772 | fatp4c\_1 | fatty acid metabolism | 0.62 | 0.87 | 0.18 | 1.00 | 0.14 | 0.94 | -0.29 | 0.71 | 0.74 | 0.49 | -0.39 | 0.65 | 0.29 | 1.00 | -0.26 | 0.71 |
| gene13847:106607075 | gcdha\_2 | fatty acid metabolism | 0.22 | 0.92 | 0.04 | 1.00 | -0.54 | 0.16 | -0.41 | 0.44 | 0.02 | 1.00 | 0.11 | 0.87 | 0.11 | 1.00 | -0.03 | 0.98 |
| gene15114:106608305 | abcd4b | fatty acid metabolism | 0.20 | 0.95 | -0.09 | 1.00 | 0.01 | 0.99 | -0.48 | 0.31 | -0.38 | 0.95 | 0.07 | 0.94 | 0.01 | 1.00 | -0.20 | 0.93 |
| gene15204:106608385 | hadhb | fatty acid metabolism | 0.36 | 0.82 | -0.07 | 1.00 | 0.09 | 0.94 | -0.29 | 0.77 | 0.10 | 0.98 | 0.22 | 0.66 | 0.00 | 1.00 | 0.05 | 0.97 |
| gene15362:106608508 | fabp2b | fatty acid metabolism | 2.15 | 0.71 | -0.17 | 1.00 | 2.59 | 0.00 | 1.71 | 0.07 | 1.28 | 0.89 | 0.82 | 0.02 | 0.14 | 1.00 | 0.00 | 1.00 |
| gene1567:106610271 | fasn\_2 | fatty acid metabolism | 1.71 | 0.34 | -0.14 | 1.00 | 1.66 | 0.22 | -0.84 | 0.23 | 2.24 | 0.00 | -0.23 | 0.89 | 1.88 | 0.48 | 0.69 | 0.77 |
| gene15851:100306814 | acox3 | fatty acid metabolism | 0.13 | 0.96 | -0.26 | 1.00 | -0.22 | 0.77 | -0.36 | 0.67 | -0.07 | 0.99 | 0.40 | 0.18 | 0.00 | 1.00 | 0.14 | 0.87 |
| gene16023:106609116 | abcd1\_2 | fatty acid metabolism | 0.11 | 0.98 | 0.18 | 1.00 | -0.14 | 0.93 | 0.38 | 0.72 | 0.12 | 0.98 | 0.19 | 0.88 | 0.10 | 1.00 | 0.31 | 0.77 |
| gene16928:106610011 | fabp2a\_2 | fatty acid metabolism | 0.55 | 0.95 | -0.07 | 1.00 | -0.10 | 0.95 | -0.28 | 0.86 | 1.60 | 0.60 | -0.21 | 0.88 | NA | NA | NA | NA |
| gene16937:106610003 | acsl1a\_2 | fatty acid metabolism | 0.38 | 0.79 | 0.06 | 1.00 | 0.09 | 0.94 | 0.64 | 0.16 | 0.50 | 0.89 | -0.27 | 0.68 | -0.55 | 1.00 | 0.77 | 0.55 |
| gene17222:106610339 | hadh | fatty acid metabolism | 0.26 | 0.91 | -0.02 | 1.00 | -0.28 | 0.69 | -0.56 | 0.40 | 0.00 | 1.00 | 0.12 | 0.85 | 0.20 | 1.00 | -0.10 | 0.92 |
| gene1745:100136433 | elovl5\_2 | fatty acid metabolism | 0.99 | 0.20 | -0.47 | 1.00 | -0.04 | 0.98 | -0.45 | 0.59 | -0.01 | 1.00 | 0.21 | 0.65 | 0.07 | 1.00 | -0.09 | 0.95 |
| gene18253:106611334 | hadha\_1 | fatty acid metabolism | 0.34 | 0.83 | -0.23 | 1.00 | -0.16 | 0.86 | -0.22 | 0.84 | -0.08 | 0.99 | 0.36 | 0.28 | 0.04 | 1.00 | -0.08 | 0.94 |
| gene18572:106611586 | elovl6\_2 | fatty acid metabolism | 0.42 | 0.94 | -0.14 | 1.00 | -0.08 | 0.99 | 0.14 | 0.96 | -0.51 | 0.94 | -0.26 | 0.87 | 0.83 | 1.00 | -0.21 | 0.93 |
| gene19032:106612015 | acsl1b | fatty acid metabolism | 1.02 | 0.45 | -0.48 | 1.00 | 0.89 | 0.01 | 0.12 | 0.90 | 0.40 | 0.76 | -0.05 | 0.97 | 1.04 | 0.47 | 1.23 | 0.02 |
| gene20537:106613536 | elovl8b | fatty acid metabolism | 0.20 | 0.94 | -0.03 | 1.00 | 0.01 | 1.00 | -0.36 | 0.62 | 0.13 | 0.97 | 0.10 | 0.89 | 0.15 | 1.00 | 0.24 | 0.74 |
| gene20550:100195361 | elovl1b\_2 | fatty acid metabolism | -1.02 | 0.07 | 0.17 | 1.00 | 0.47 | 0.69 | -0.74 | 0.53 | 0.85 | 0.84 | -0.39 | 0.82 | NA | NA | NA | NA |
| gene2065:106561537 | fatp4a\_1 | fatty acid metabolism | 0.96 | 0.04 | -0.21 | 1.00 | 0.46 | 0.21 | 0.05 | 0.97 | 0.39 | 0.92 | 0.15 | 0.82 | 0.01 | 1.00 | -0.03 | 0.98 |
| gene20879:106613839 | acsbg2b\_2 | fatty acid metabolism | 0.28 | 0.91 | -0.47 | 1.00 | -0.69 | 0.12 | -1.11 | 0.00 | 0.03 | 1.00 | 0.08 | 0.95 | 0.80 | 1.00 | 0.33 | 0.83 |
| gene21244:106560431 | cpt2 | fatty acid metabolism | 0.39 | 0.75 | -0.33 | 1.00 | -0.05 | 0.97 | -0.33 | 0.65 | 0.04 | 1.00 | 0.29 | 0.42 | 0.21 | 1.00 | 0.01 | 1.00 |
| gene21248:100195073 | aldh9a1 | fatty acid metabolism | 0.30 | 0.85 | -0.06 | 1.00 | 0.10 | 0.94 | -0.09 | 0.95 | 0.02 | 1.00 | 0.42 | 0.29 | 0.17 | 1.00 | 0.49 | 0.36 |
| gene21513:106560707 | cpt1aa | fatty acid metabolism | 0.31 | 0.85 | -0.09 | 1.00 | -0.13 | 0.91 | -0.16 | 0.92 | 0.20 | 0.95 | 0.16 | 0.80 | 0.14 | 1.00 | -0.63 | 0.50 |
| gene21941:106560816 | got2ab\_2 | fatty acid metabolism | 0.68 | 0.41 | -0.28 | 1.00 | 0.00 | 1.00 | -0.26 | 0.69 | 0.11 | 0.99 | 0.64 | 0.01 | 0.27 | 1.00 | 0.21 | 0.78 |
| gene22074:106561238 | cpt1b\_2 | fatty acid metabolism | -1.76 | 0.01 | 0.21 | 1.00 | -0.83 | 0.28 | -0.11 | 0.98 | NA | NA | NA | NA | NA | NA | NA | NA |
| gene23075:106562243 | got2aa\_1 | fatty acid metabolism | 0.77 | 0.20 | -0.14 | 1.00 | -0.18 | 0.86 | -0.33 | 0.69 | 0.17 | 0.98 | 0.45 | 0.34 | 0.37 | 1.00 | 0.66 | 0.22 |
| gene23858:106563087 | acads\_1 | fatty acid metabolism | -0.02 | 1.00 | 0.04 | 1.00 | 0.02 | 0.99 | -0.26 | 0.67 | 0.18 | 0.94 | 0.09 | 0.92 | 0.06 | 1.00 | -0.18 | 0.83 |
| gene25419:106564571 | gcdhb | fatty acid metabolism | 1.09 | 0.15 | 0.95 | 1.00 | -0.15 | 0.97 | 0.53 | 0.75 | -0.09 | 0.99 | 0.47 | 0.31 | 1.00 | 0.40 | 0.27 | 0.66 |
| gene25674:100380782 | acox1a | fatty acid metabolism | 0.42 | 0.66 | -0.07 | 1.00 | -0.23 | 0.79 | -0.07 | 0.97 | 0.19 | 0.95 | 0.46 | 0.13 | -0.18 | 1.00 | 0.28 | 0.67 |
| gene2736:106568363 | acads\_2 | fatty acid metabolism | 0.31 | 0.79 | 0.00 | 1.00 | -0.30 | 0.58 | -0.37 | 0.50 | -0.17 | 0.96 | 0.33 | 0.32 | 0.09 | 1.00 | -0.07 | 0.94 |
| gene28536:106567475 | fabp6\_2 | fatty acid metabolism | 0.71 | 0.62 | 4.33 | 1.00 | 4.04 | 0.00 | 2.19 | 0.16 | -0.62 | 0.76 | 0.50 | 0.51 | NA | NA | NA | NA |
| gene28623:106567519 | acsl6\_1 | fatty acid metabolism | 0.27 | 0.96 | -0.03 | 1.00 | 0.07 | 0.97 | 0.13 | 0.91 | -0.27 | 0.95 | 0.36 | 0.70 | NA | NA | -0.43 | 0.84 |
| gene29050:100380405 | acsl4 | fatty acid metabolism | 0.06 | 0.99 | -0.12 | 1.00 | -0.37 | 0.53 | -0.31 | 0.59 | 0.18 | 0.95 | 0.04 | 0.97 | 0.37 | 1.00 | 0.30 | 0.74 |
| gene29050:100380405 | acsl4a\_2 | fatty acid metabolism | 0.06 | 0.99 | -0.12 | 1.00 | -0.37 | 0.53 | -0.31 | 0.59 | 0.18 | 0.95 | 0.04 | 0.97 | 0.37 | 1.00 | 0.30 | 0.74 |
| gene29506:106568426 | fatp4a\_2` | fatty acid metabolism | 1.47 | 0.61 | -0.78 | 1.00 | 1.72 | 0.00 | -0.26 | 0.92 | 1.86 | 0.49 | -0.22 | 0.75 | 0.48 | 1.00 | -0.13 | 0.93 |
| gene2996:100194754 | aldh7a1 | fatty acid metabolism | 0.16 | 0.96 | -0.25 | 1.00 | -0.15 | 0.93 | -0.50 | 0.47 | 0.17 | 0.96 | 0.01 | 0.99 | 0.30 | 1.00 | 0.02 | 0.99 |
| gene30056:106568892 | abcd3a\_1 | fatty acid metabolism | 0.16 | 0.94 | -0.03 | 1.00 | -0.27 | 0.60 | -0.03 | 0.98 | -0.16 | 0.95 | -0.05 | 0.96 | 0.22 | 1.00 | -0.05 | 0.97 |
| gene3008:106571348 | elovl7ba | fatty acid metabolism | -1.01 | 0.15 | 0.20 | 1.00 | -0.24 | 0.85 | 0.45 | 0.74 | -0.27 | 0.98 | -0.19 | 0.85 | -0.05 | 1.00 | -0.32 | 0.79 |
| gene30119:106568845 | acsl3a\_1 | fatty acid metabolism | 0.40 | 0.67 | -0.16 | 1.00 | -0.23 | 0.78 | 0.16 | 0.87 | 0.15 | 0.96 | -0.16 | 0.81 | 0.38 | 1.00 | 0.07 | 0.94 |
| gene3064:106571818 | fatp6b | fatty acid metabolism | 0.33 | 0.94 | 0.23 | 1.00 | 0.53 | 0.26 | 0.43 | 0.49 | 0.44 | 0.87 | 0.53 | 0.32 | -0.50 | 1.00 | 0.32 | 0.59 |
| gene3066:106571805 | fatp6a | fatty acid metabolism | -0.15 | 0.98 | 0.15 | 1.00 | 0.40 | 0.84 | 0.32 | 0.81 | 1.00 | 0.75 | -0.29 | 0.87 | NA | NA | -0.40 | 0.84 |
| gene30841:100194550 | adadm | fatty acid metabolism | -0.12 | 0.98 | -0.10 | 1.00 | -0.24 | 0.72 | -0.20 | 0.85 | -0.05 | 0.99 | 0.20 | 0.70 | -0.01 | 1.00 | 0.04 | 0.97 |
| gene31736:106570598 | fabp3\_2 | fatty acid metabolism | 1.27 | 0.58 | -0.58 | 1.00 | 1.36 | 0.08 | -0.39 | 0.68 | 0.67 | 0.18 | -0.13 | 0.93 | 0.21 | 1.00 | 0.00 | 1.00 |
| gene32531:100196877 | fabp7a | fatty acid metabolism | -0.11 | 0.99 | -0.17 | 1.00 | 0.84 | 0.19 | 1.30 | 0.26 | 0.38 | 0.83 | -0.05 | 0.99 | NA | NA | NA | NA |
| gene32697:106571493 | elovl4b | fatty acid metabolism | 0.24 | 0.97 | 0.06 | 1.00 | 0.31 | 0.74 | 0.50 | 0.51 | 0.12 | 0.98 | -0.40 | 0.69 | -0.39 | 1.00 | 0.46 | 0.76 |
| gene34707:106573756 | got2ab\_1 | fatty acid metabolism | 0.49 | 0.71 | 0.00 | 1.00 | -0.39 | 0.33 | -0.22 | 0.78 | 0.01 | 1.00 | -0.03 | 0.98 | 0.42 | 1.00 | 0.31 | 0.70 |
| gene35164:100286454 | elovl1b\_1 | fatty acid metabolism | 0.13 | 0.98 | -0.06 | 1.00 | -0.07 | 0.96 | -0.23 | 0.84 | -0.39 | 0.87 | 0.01 | 1.00 | 0.41 | 1.00 | 0.34 | 0.64 |
| gene36568:106575476 | acadsba | fatty acid metabolism | 0.34 | 0.79 | 0.09 | 1.00 | -0.17 | 0.83 | -0.15 | 0.83 | -0.36 | 0.87 | 0.38 | 0.22 | 0.47 | 1.00 | 0.68 | 0.26 |
| gene36913:106575817 | acadl | fatty acid metabolism | 0.08 | 0.99 | -0.06 | 1.00 | -0.35 | 0.43 | -0.48 | 0.49 | -0.11 | 0.98 | 0.35 | 0.30 | 0.09 | 1.00 | -0.05 | 0.95 |
| gene37093:106575983 | abcd1\_1 | fatty acid metabolism | -0.02 | 1.00 | 0.14 | 1.00 | -1.00 | 0.29 | 0.17 | 0.93 | 0.33 | 0.95 | 0.20 | 0.93 | 0.64 | 1.00 | 0.71 | 0.18 |
| gene37465:106576427 | cd36\_1 | fatty acid metabolism | 2.10 | 0.03 | 0.25 | 1.00 | -0.03 | 0.99 | -0.39 | 0.71 | 0.57 | 0.97 | 1.10 | 0.01 | NA | NA | NA | NA |
| gene37809:100194570 | echs1 | fatty acid metabolism | 0.34 | 0.82 | 0.15 | 1.00 | -0.12 | 0.91 | -0.42 | 0.51 | -0.15 | 0.98 | 0.23 | 0.68 | 0.13 | 1.00 | -0.14 | 0.87 |
| gene3822:106578507 | aldh2 | fatty acid metabolism | -0.30 | 0.92 | -0.23 | 1.00 | -0.47 | 0.31 | -0.39 | 0.71 | -0.26 | 0.92 | 0.68 | 0.05 | 0.11 | 1.00 | 0.28 | 0.71 |
| gene38526:106577431 | acadsb2 | fatty acid metabolism | 0.20 | 0.97 | -0.03 | 1.00 | -0.33 | 0.80 | -0.04 | 0.98 | -0.02 | 1.00 | 0.03 | 0.99 | 0.32 | 1.00 | NA | NA |
| gene39581:106578486 | abcd3b\_1 | fatty acid metabolism | -0.02 | 1.00 | -0.12 | 1.00 | -0.05 | 0.98 | -0.52 | 0.50 | 1.70 | 0.54 | -0.09 | 0.93 | 0.12 | 1.00 | 0.15 | 0.86 |
| gene39676:100196721 | peci\_2 | fatty acid metabolism | -0.01 | 1.00 | -0.06 | 1.00 | -0.12 | 0.91 | -0.64 | 0.21 | -0.03 | 1.00 | -0.06 | 0.98 | -0.19 | 1.00 | -0.30 | 0.79 |
| gene40431:106579121 | acsl5 | fatty acid metabolism | -0.27 | 0.87 | -0.06 | 1.00 | 0.17 | 0.87 | -0.29 | 0.80 | 0.33 | 0.95 | 0.37 | 0.50 | NA | NA | NA | NA |
| gene40749:100192341 | elovl2 | fatty acid metabolism | -0.90 | 0.87 | -0.77 | 1.00 | -0.24 | 0.82 | -0.52 | 0.60 | 1.29 | 0.84 | 0.68 | 0.11 | 0.53 | 1.00 | 0.38 | 0.63 |
| gene40868:106579756 | acaa1a | fatty acid metabolism | 0.41 | 0.87 | -1.16 | 1.00 | 0.33 | 0.89 | 0.28 | 0.82 | 0.52 | 0.90 | 0.07 | 0.97 | 0.11 | 1.00 | 0.75 | 0.22 |
| gene40883:106579772 | acaa1b | fatty acid metabolism | 0.45 | 0.88 | -1.20 | 1.00 | 0.44 | 0.81 | 0.29 | 0.82 | 0.53 | 0.88 | 0.12 | 0.90 | 0.28 | 1.00 | 0.63 | 0.54 |
| gene41158:106580039 | acsbg2a\_1 | fatty acid metabolism | 0.85 | 0.94 | 0.50 | 1.00 | 1.00 | 0.00 | -0.22 | 0.82 | 0.59 | 0.71 | -0.40 | 0.78 | 1.18 | 0.66 | 0.37 | 0.85 |
| gene41553:106580430 | thim\_1 | fatty acid metabolism | 0.61 | 0.33 | -0.09 | 1.00 | 0.01 | 1.00 | -0.21 | 0.84 | 0.02 | 1.00 | 0.47 | 0.16 | -0.39 | 1.00 | -0.61 | 0.49 |
| gene41676:106580590 | elovl7bb\_1 | fatty acid metabolism | -0.90 | 0.17 | 0.21 | 1.00 | -0.50 | 0.40 | -0.26 | 0.85 | 0.25 | 0.97 | -0.15 | 0.92 | -0.77 | 1.00 | -0.10 | 0.96 |
| gene42446:106581298 | acsl3b\_1 | fatty acid metabolism | 0.33 | 0.91 | -0.20 | 1.00 | 0.09 | 0.98 | -0.75 | 0.57 | 0.19 | 0.98 | 0.50 | 0.80 | 1.05 | 1.00 | NA | NA |
| gene42457:106581311 | acsl3c | fatty acid metabolism | 1.11 | 0.47 | -0.52 | 1.00 | NA | NA | NA | NA | 0.36 | 0.96 | 0.30 | 0.90 | NA | NA | NA | NA |
| gene4257:106582922 | fabp10a\_1 | fatty acid metabolism | 2.82 | 0.00 | -2.10 | 1.00 | -1.68 | 0.07 | 0.37 | 0.93 | -0.28 | 0.97 | -1.37 | 0.00 | 0.11 | 1.00 | -0.17 | 0.87 |
| gene42660:100286782 | aldh3a2c | fatty acid metabolism | 0.26 | 0.87 | -0.02 | 1.00 | -0.03 | 0.99 | 0.09 | 0.91 | -0.03 | 1.00 | 0.25 | 0.58 | -0.10 | 1.00 | 0.44 | 0.49 |
| gene43733:100195275 | ehhadhb | fatty acid metabolism | -0.31 | 0.91 | -0.30 | 1.00 | -0.14 | 0.91 | 0.16 | 0.91 | -0.36 | 0.90 | 0.32 | 0.62 | -0.14 | 1.00 | 0.91 | 0.12 |
| gene43746:100195275 | ehhadha | fatty acid metabolism | -0.04 | 0.99 | -0.04 | 1.00 | -0.12 | 0.92 | -0.13 | 0.90 | -0.09 | 0.99 | 0.44 | 0.42 | -0.20 | 1.00 | 0.37 | 0.58 |
| gene45637:106584374 | acsbg2b\_1 | fatty acid metabolism | 0.24 | 0.89 | -0.32 | 1.00 | 0.47 | 0.26 | 0.29 | 0.68 | 0.41 | 0.82 | -0.34 | 0.51 | 0.62 | 1.00 | -0.80 | 0.34 |
| gene45989:106584725 | fatp2e | fatty acid metabolism | 1.65 | 0.59 | 0.69 | 1.00 | 0.72 | 0.03 | -0.18 | 0.84 | -0.16 | 0.98 | 0.48 | 0.23 | 0.46 | 1.00 | 0.37 | 0.57 |
| gene46010:100136441 | Δ6fads\_1 | fatty acid metabolism | -0.16 | 0.98 | -0.13 | 1.00 | -0.79 | 0.04 | -0.44 | 0.77 | 1.24 | 0.84 | 0.55 | 0.47 | 0.80 | 0.88 | 0.58 | 0.46 |
| gene46067:100136383 | Δ5fads | fatty acid metabolism | 0.23 | 0.91 | 0.21 | 1.00 | -0.96 | 0.00 | -0.84 | 0.48 | 0.30 | 0.97 | 0.55 | 0.43 | 0.49 | 1.00 | 0.45 | 0.55 |
| gene46069:106584797 | Δ6fads \_2 | fatty acid metabolism | 0.64 | 0.71 | NA | NA | 0.40 | 0.66 | 0.13 | 0.96 | 0.68 | 0.89 | 0.81 | 0.56 | 2.45 | 0.26 | 0.43 | 0.83 |
| gene46293:106585161 | elovl7bb\_2 | fatty acid metabolism | 0.58 | 0.62 | -0.35 | 1.00 | -0.92 | 0.06 | -0.46 | 0.74 | -0.29 | 0.94 | -0.05 | 0.98 | -0.19 | 1.00 | 0.04 | 0.99 |
| gene4630:100380562 | acox1b | fatty acid metabolism | 0.27 | 0.90 | -0.49 | 1.00 | 0.13 | 0.91 | 0.05 | 0.96 | 0.32 | 0.90 | 0.05 | 0.97 | 0.13 | 1.00 | 0.79 | 0.07 |
| gene46421:106585052 | thim\_2 | fatty acid metabolism | 0.49 | 0.64 | -0.05 | 1.00 | -0.08 | 0.95 | -0.40 | 0.57 | -0.04 | 1.00 | 0.32 | 0.45 | 0.13 | 1.00 | -0.93 | 0.44 |
| gene48637:106587404 | got2aa\_2 | fatty acid metabolism | 0.50 | 0.57 | -0.10 | 1.00 | -0.22 | 0.84 | -0.23 | 0.76 | 0.15 | 0.98 | 0.39 | 0.37 | 0.44 | 1.00 | 0.21 | 0.80 |
| gene49013:106587782 | cpt1ab | fatty acid metabolism | -0.14 | 0.98 | -0.19 | 1.00 | -0.10 | 0.96 | -0.17 | 0.92 | 0.57 | 0.87 | -0.07 | 0.97 | 0.72 | 1.00 | 0.21 | 0.90 |
| gene49121:106587894 | fatp2f | fatty acid metabolism | -1.47 | 0.18 | -0.28 | 1.00 | 0.03 | 0.99 | -0.65 | 0.38 | 0.16 | 0.98 | 0.71 | 0.30 | -0.23 | 1.00 | 0.92 | 0.27 |
| gene50330:100136444 | fabp3\_1 | fatty acid metabolism | 1.34 | 0.35 | -0.03 | 1.00 | 1.38 | 0.10 | 0.23 | 0.83 | 2.12 | 0.00 | 0.18 | 0.88 | 2.72 | 0.01 | 0.55 | 0.55 |
| gene51165:106589612 | fasn\_1 | fatty acid metabolism | 1.82 | 0.15 | -0.21 | 1.00 | 1.24 | 0.40 | -0.26 | 0.88 | 1.92 | 0.00 | -0.42 | 0.73 | 1.29 | 1.00 | 0.71 | 0.68 |
| gene51626:106590083 | peci\_1 | fatty acid metabolism | 0.33 | 0.81 | -0.02 | 1.00 | -0.35 | 0.45 | -0.44 | 0.57 | -0.17 | 0.97 | 0.40 | 0.14 | 0.39 | 1.00 | -0.06 | 0.94 |
| gene52181:106590647 | abcd3b\_2 | fatty acid metabolism | 0.50 | 0.65 | -0.14 | 1.00 | 0.36 | 0.51 | -0.41 | 0.62 | -0.23 | 0.95 | 0.09 | 0.90 | 0.69 | 1.00 | 0.21 | 0.82 |
| gene54228:100136416 | cpt1ae | fatty acid metabolism | -0.36 | 0.90 | -0.37 | 1.00 | -0.26 | 0.76 | -0.52 | 0.26 | 0.16 | 0.98 | -0.09 | 0.94 | 0.42 | 1.00 | -0.32 | 0.79 |
| gene56489:106593544 | fatp2g | fatty acid metabolism | -0.48 | 0.92 | 0.02 | 1.00 | 0.57 | 0.37 | 0.05 | 0.98 | 0.16 | 0.98 | 0.58 | 0.40 | -0.09 | 1.00 | 0.52 | 0.28 |
| gene57397:106596253 | eci1b | fatty acid metabolism | 0.25 | 0.92 | -0.14 | 1.00 | -0.02 | 0.99 | -0.23 | 0.78 | 0.17 | 0.95 | 0.28 | 0.74 | -0.34 | 1.00 | -0.01 | 1.00 |
| gene60295:106592647 | eci1a | fatty acid metabolism | 0.39 | 0.75 | 0.13 | 1.00 | -0.02 | 0.99 | -0.43 | 0.67 | 0.15 | 0.97 | 0.29 | 0.69 | -0.38 | 1.00 | 0.23 | 0.80 |
| gene6268:106599146 | abcd3a\_2 | fatty acid metabolism | -0.03 | 1.00 | 0.03 | 1.00 | 0.06 | 0.96 | 0.00 | 1.00 | -0.06 | 0.99 | 0.13 | 0.84 | 0.43 | 1.00 | -0.07 | 0.95 |
| gene6335:106599520 | acsl3a\_2 | fatty acid metabolism | 0.54 | 0.41 | -0.56 | 1.00 | -0.69 | 0.10 | -0.39 | 0.80 | 0.10 | 0.98 | -0.60 | 0.22 | 0.36 | 1.00 | -0.70 | 0.25 |
| gene67503:106592234 | cpt1ac | fatty acid metabolism | 0.16 | 0.97 | -0.11 | 1.00 | 0.11 | 0.94 | -0.57 | 0.42 | 0.07 | 0.99 | -0.37 | 0.65 | 0.56 | 1.00 | -0.26 | 0.74 |
| gene688:106600509 | adh5b | fatty acid metabolism | 0.00 | 1.00 | 0.11 | 1.00 | 1.22 | 0.02 | 0.47 | 0.55 | 1.19 | 0.38 | -0.79 | 0.03 | 0.27 | 1.00 | -2.14 | 0.21 |
| gene70153:106595539 | abcd4a | fatty acid metabolism | 0.16 | 0.97 | -0.03 | 1.00 | 0.03 | 0.99 | -0.60 | 0.21 | -0.33 | 0.97 | 0.06 | 0.95 | NA | NA | NA | NA |
| gene7119:106600758 | aldh16a1b | fatty acid metabolism | 0.10 | 0.98 | -0.02 | 1.00 | -0.04 | 0.98 | -0.12 | 0.90 | -0.03 | 1.00 | 0.05 | 0.96 | -0.06 | 1.00 | 0.47 | 0.32 |
| gene7145:106600940 | cpt1ad | fatty acid metabolism | 0.26 | 0.92 | -0.48 | 1.00 | -0.17 | 0.88 | -0.07 | 0.95 | 0.88 | 0.83 | -0.76 | 0.11 | -0.01 | 1.00 | -0.16 | 0.94 |
| gene75829:106594640 | fatp2h | fatty acid metabolism | 1.21 | 0.20 | -0.52 | 1.00 | NA | NA | NA | NA | NA | NA | NA | NA | 0.71 | 1.00 | -0.44 | 0.73 |
| gene7697:106601351 | gcdha\_1 | fatty acid metabolism | 0.38 | 0.69 | 0.10 | 1.00 | -0.41 | 0.37 | -0.17 | 0.83 | -0.07 | 0.99 | 0.33 | 0.28 | -0.14 | 1.00 | 0.11 | 0.89 |
| gene78327:100196775 | fatp2c | fatty acid metabolism | -0.30 | 0.98 | -0.02 | 1.00 | -2.75 | 0.03 | -1.21 | 0.45 | NA | NA | NA | NA | 0.92 | 1.00 | -0.85 | 0.22 |
| gene8007:106601639 | fatp4b | fatty acid metabolism | 0.04 | 1.00 | 0.07 | 1.00 | -0.32 | 0.75 | 0.48 | 0.56 | -0.01 | 1.00 | 0.02 | 1.00 | 0.49 | 1.00 | 0.93 | 0.18 |
| gene8011:106601642 | fatp4c\_2 | fatty acid metabolism | -0.14 | 0.98 | 0.15 | 1.00 | 0.23 | 0.77 | -0.42 | 0.54 | 0.18 | 0.96 | 0.03 | 0.98 | 0.32 | 1.00 | 0.13 | 0.86 |
| gene909:106603767 | hadha\_2 | fatty acid metabolism | 0.08 | 0.99 | -0.10 | 1.00 | -0.11 | 0.92 | -0.31 | 0.73 | 0.10 | 0.98 | 0.22 | 0.70 | -0.13 | 1.00 | 0.00 | 1.00 |
| gene9198:106602733 | fabp2a\_1 | fatty acid metabolism | 2.22 | 0.45 | 0.01 | 1.00 | 1.21 | 0.02 | 0.12 | 0.96 | 6.58 | 0.06 | 0.23 | 0.96 | 1.37 | 0.67 | 0.01 | 1.00 |
| gene9213:100380286 | acsl1 | fatty acid metabolism | 0.04 | 0.99 | -0.10 | 1.00 | -0.26 | 0.83 | 0.03 | 0.99 | 0.48 | 0.76 | -0.14 | 0.90 | 0.22 | 1.00 | 0.39 | 0.84 |
| gene9213:100380286 | acsl1a\_1 | fatty acid metabolism | 0.04 | 0.99 | -0.10 | 1.00 | -0.26 | 0.83 | 0.03 | 0.99 | 0.48 | 0.76 | -0.14 | 0.90 | 0.22 | 1.00 | 0.39 | 0.84 |
| gene9236:106602820 | acadvl | fatty acid metabolism | 0.13 | 0.98 | -0.26 | 1.00 | -0.07 | 0.96 | -0.19 | 0.89 | -0.02 | 1.00 | 0.21 | 0.65 | 0.05 | 1.00 | 0.04 | 0.97 |
| gene9394:106602847 | aldh3a2b | fatty acid metabolism | -0.15 | 0.97 | -0.15 | 1.00 | -0.18 | 0.85 | -0.04 | 0.98 | -0.03 | 1.00 | 0.25 | 0.57 | -0.13 | 1.00 | 0.22 | 0.75 |
| gene9919:106603377 | acsl4a\_1 | fatty acid metabolism | 0.07 | 0.99 | -0.44 | 1.00 | 0.11 | 0.95 | 0.22 | 0.94 | 0.29 | 0.95 | -0.24 | 0.77 | 0.15 | 1.00 | 0.10 | 0.95 |
| gene16381:106609495 | cd36\_2 | fatty acid metabolism | NA | NA | NA | NA | 1.45 | 0.00 | 1.16 | 0.03 | 1.45 | 0.92 | 1.90 | 0.03 | NA | NA | NA | NA |
| gene19017:100195398 | aldh3a2a | fatty acid metabolism | NA | NA | -0.90 | 1.00 | -6.52 | 0.00 | -0.56 | 0.87 | -0.58 | 0.91 | 0.21 | 0.85 | 0.22 | 1.00 | -0.94 | 0.56 |
| gene24107:106563252 | fabp1b | fatty acid metabolism | NA | NA | 0.04 | 1.00 | 0.53 | 0.36 | -0.72 | 0.48 | 0.56 | 0.95 | 0.88 | 0.61 | 0.82 | 1.00 | 0.61 | 0.71 |
| gene46066:100329172 | fads2\_3 | fatty acid metabolism | NA | NA | -0.10 | 1.00 | -0.52 | 0.41 | -1.00 | 0.66 | 0.68 | 0.84 | -0.24 | 0.90 | 2.01 | 0.74 | 1.00 | 0.63 |
| gene51359:100192340 | elovl5\_1 | fatty acid metabolism | NA | NA | NA | NA | -4.28 | 0.00 | -0.37 | 0.87 | NA | NA | NA | NA | 0.15 | 1.00 | 0.77 | 0.16 |
| gene65803:106595315 | fatp2i | fatty acid metabolism | NA | NA | NA | NA | 1.04 | 0.07 | -0.03 | 0.98 | 0.12 | 0.99 | 0.54 | 0.27 | 0.14 | 1.00 | -0.23 | 0.75 |
| gene20131:106613121 | acsl3b\_2 | fatty acid metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.38 | 1.00 | 1.06 | 0.21 |
| gene34545:106573415 | cpt1b\_1 | fatty acid metabolism | NA | NA | -0.05 | 1.00 | NA | NA | NA | NA | NA | NA | NA | NA | -2.27 | 0.62 | 0.05 | 0.99 |
| gene63276:100196775 | fatp2b | fatty acid metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.95 | 1.00 | 0.01 | 1.00 |
| gene73073:100196775 | fatp2a | fatty acid metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.75 | 1.00 | 0.02 | 0.99 |
| gene23701:106562860 | fatp2d | fatty acid metabolism | NA | NA | -0.17 | 1.00 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -0.04 | 0.99 |
| gene20122:106613112 | acsl3e | fatty acid metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.06 | 0.45 |
| gene65165:106592274 | acsl3d | fatty acid metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.14 | 0.96 |
| gene10359:100196767 | sar1ba\_1 | Lipoprotein formation | -0.15 | 0.97 | -0.26 | 1.00 | -0.70 | 0.02 | -0.37 | 0.71 | -0.10 | 0.99 | -0.04 | 0.97 | 0.36 | 1.00 | 0.33 | 0.62 |
| gene12341:106605692 | apoa4b\_2 | Lipoprotein formation | -1.80 | 0.06 | -0.11 | 1.00 | -1.82 | 0.00 | -0.86 | 0.57 | -0.61 | 0.91 | 0.73 | 0.34 | -0.32 | 1.00 | -0.26 | 0.82 |
| gene16944:106609996 | mtp\_2 | Lipoprotein formation | -0.15 | 0.98 | 0.00 | 1.00 | -0.35 | 0.56 | -0.41 | 0.68 | -0.04 | 1.00 | 0.27 | 0.72 | 0.09 | 1.00 | -0.22 | 0.77 |
| gene18058:106611125 | apoba | Lipoprotein formation | 1.85 | 0.35 | NA | NA | NA | NA | 0.02 | 1.00 | NA | NA | -0.98 | 0.40 | -0.23 | 1.00 | 0.38 | 0.56 |
| gene19640:100196111 | apoa1\_2 | Lipoprotein formation | -2.23 | 0.23 | -1.12 | 1.00 | -0.99 | 0.01 | -0.43 | 0.78 | 1.41 | 0.90 | 1.20 | 0.35 | -1.58 | 1.00 | -0.13 | 0.93 |
| gene2010:106560851 | sar1bb\_1 | Lipoprotein formation | 0.51 | 0.74 | -0.14 | 1.00 | 0.03 | 0.99 | -0.37 | 0.52 | -0.19 | 0.97 | 0.03 | 0.98 | 0.46 | 1.00 | -0.28 | 0.64 |
| gene25356:106564497 | ldlrab\_1 | Lipoprotein formation | -0.36 | 0.88 | -0.27 | 1.00 | 1.83 | 0.00 | 0.88 | 0.17 | 0.29 | 0.91 | -0.41 | 0.23 | 2.23 | 0.08 | -1.04 | 0.55 |
| gene26367:106565466 | lrp1a\_1 | Lipoprotein formation | -0.71 | 0.53 | 0.18 | 1.00 | 0.62 | 0.34 | 0.12 | 0.92 | 0.37 | 0.88 | -0.15 | 0.91 | 0.40 | 1.00 | -0.27 | 0.81 |
| gene28164:106567057 | lrp1b\_1 | Lipoprotein formation | -0.07 | 0.99 | 0.02 | 1.00 | 0.10 | 0.94 | 0.30 | 0.64 | 0.04 | 0.99 | -0.02 | 0.99 | -0.20 | 1.00 | 0.27 | 0.73 |
| gene28640:106567531 | sar1ba\_2 | Lipoprotein formation | 0.06 | 0.99 | -0.25 | 1.00 | -0.30 | 0.62 | -0.33 | 0.68 | -0.13 | 0.98 | 0.12 | 0.83 | 0.02 | 1.00 | -0.17 | 0.84 |
| gene32329:100136579 | apobc | Lipoprotein formation | 2.45 | 0.10 | -1.80 | 1.00 | 0.89 | 0.66 | 1.83 | 0.10 | 0.42 | 0.98 | -1.19 | 0.08 | -0.40 | 1.00 | 0.73 | 0.16 |
| gene32330:106571178 | apobb | Lipoprotein formation | -1.57 | 0.22 | -0.46 | 1.00 | -0.21 | 0.90 | 0.03 | 0.99 | 0.27 | 0.99 | 0.77 | 0.12 | -0.45 | 1.00 | 0.76 | 0.23 |
| gene3721:106577505 | apoa4c\_1 | Lipoprotein formation | -3.26 | 0.15 | 0.39 | 1.00 | -0.86 | 0.02 | -0.67 | 0.57 | -0.62 | 0.94 | 0.88 | 0.13 | 0.44 | 1.00 | 0.14 | 0.93 |
| gene38289:106577216 | sar1a\_2 | Lipoprotein formation | 0.04 | 1.00 | -0.06 | 1.00 | 0.23 | 0.79 | -0.16 | 0.81 | -0.15 | 0.98 | 0.25 | 0.73 | 0.60 | 1.00 | 0.84 | 0.36 |
| gene38446:106577347 | sar1bb\_2 | Lipoprotein formation | 0.79 | 0.50 | -0.14 | 1.00 | 0.02 | 0.99 | 0.07 | 0.96 | -0.06 | 0.99 | 0.14 | 0.87 | 0.10 | 1.00 | -0.33 | 0.72 |
| gene41976:100136573 | apoa1\_1 | Lipoprotein formation | 0.16 | 0.99 | -0.85 | 1.00 | -1.67 | 0.00 | -0.73 | 0.62 | 0.67 | 0.95 | 0.26 | 0.85 | -0.27 | 1.00 | 0.14 | 0.88 |
| gene44417:106583141 | lrp1a\_2 | Lipoprotein formation | -0.42 | 0.74 | 0.25 | 1.00 | -0.33 | 0.77 | -0.19 | 0.85 | 0.24 | 0.98 | -0.73 | 0.14 | -0.56 | 1.00 | -0.57 | 0.54 |
| gene4993:106590115 | ldlrab\_2 | Lipoprotein formation | -0.12 | 0.99 | -0.25 | 1.00 | 1.62 | 0.00 | 0.95 | 0.10 | 0.26 | 0.95 | -0.36 | 0.39 | 0.99 | 1.00 | -0.60 | 0.68 |
| gene12340:106605691 | apoa4c\_2 | Lipoprotein formation | NA | NA | NA | NA | -1.82 | 0.00 | -0.65 | 0.74 | -0.39 | 0.98 | 1.29 | 0.13 | 0.32 | 1.00 | 0.35 | 0.85 |
| gene2806:106569632 | apoa4a\_2 | Lipoprotein formation | NA | NA | NA | NA | -1.17 | 0.00 | -0.77 | 0.57 | -0.11 | 0.99 | 1.01 | 0.23 | NA | NA | NA | NA |
| gene3720:106577499 | apoa4b\_1 | Lipoprotein formation | NA | NA | 0.89 | 1.00 | -1.70 | 0.00 | -0.77 | 0.54 | -0.84 | 0.83 | 0.81 | 0.28 | -0.20 | 1.00 | 0.37 | 0.71 |
| gene47782:106586541 | apoa4a\_1 | Lipoprotein formation | NA | NA | 0.73 | 1.00 | -2.83 | 0.00 | -0.85 | 0.70 | -0.89 | 0.83 | 0.93 | 0.40 | NA | NA | NA | NA |
| gene9223:106602715 | mtp\_1 | Lipoprotein formation | NA | NA | NA | NA | -1.12 | 0.00 | -0.63 | 0.40 | 1.36 | 0.90 | 1.21 | 0.31 | 0.05 | 1.00 | -0.04 | 0.96 |
| gene13811:106607045 | ldlraa\_2 | Lipoprotein formation | NA | NA | NA | NA | NA | NA | NA | NA | 2.06 | 0.14 | 1.31 | 0.59 | 0.30 | 1.00 | 0.36 | 0.73 |
| gene33802:106572649 | lrp1d | Lipoprotein formation | NA | NA | NA | NA | NA | NA | NA | NA | -0.42 | 0.90 | -0.29 | 0.87 | NA | NA | NA | NA |
| gene7727:106601326 | ldlraa\_1 | Lipoprotein formation | NA | NA | NA | NA | NA | NA | NA | NA | 2.66 | 0.16 | 1.02 | 0.81 | 0.30 | 1.00 | 0.76 | 0.17 |
| gene1401:106608453 | sar1a\_1 | Lipoprotein formation | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -0.33 | 1.00 | 0.39 | 0.87 |
| gene33815:106572662 | lrp1b\_2 | Lipoprotein formation | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -1.29 | 0.13 | NA | NA | NA | NA |
| gene10033:100195689 | mogat2\_1 | PL and TAG metabolism | -0.89 | 0.82 | -0.07 | 1.00 | 0.04 | 0.98 | -0.07 | 0.97 | 0.77 | 0.79 | 0.40 | 0.48 | -0.16 | 1.00 | 0.71 | 0.37 |
| gene11738:106605098 | lpcat3\_2 | PL and TAG metabolism | 0.32 | 0.85 | -0.27 | 1.00 | -0.41 | 0.28 | -0.42 | 0.51 | 0.13 | 0.98 | 0.13 | 0.88 | -0.26 | 1.00 | 0.30 | 0.83 |
| gene13587:106606828 | plpp3d | PL and TAG metabolism | -0.20 | 0.92 | 0.07 | 1.00 | -0.18 | 0.84 | 0.07 | 0.94 | 0.04 | 0.99 | -0.05 | 0.96 | -0.27 | 1.00 | 0.55 | 0.35 |
| gene14370:106607581 | lpgat1\_2 | PL and TAG metabolism | -0.56 | 0.91 | -0.56 | 1.00 | 0.46 | 0.50 | 0.57 | 0.41 | 0.31 | 0.91 | 0.06 | 0.97 | NA | NA | NA | NA |
| gene14430:106607658 | mboat2b\_2 | PL and TAG metabolism | -0.03 | 1.00 | -0.08 | 1.00 | 0.36 | 0.80 | -0.26 | 0.87 | 0.45 | 0.91 | -0.28 | 0.84 | 0.46 | 1.00 | 0.15 | 0.92 |
| gene15869:100196731 | lpcat4\_1 | PL and TAG metabolism | -0.27 | 0.89 | 0.30 | 1.00 | -0.37 | 0.39 | -0.14 | 0.87 | -0.24 | 0.90 | 0.00 | 1.00 | -0.22 | 1.00 | 0.24 | 0.74 |
| gene16160:106609326 | etnk1\_2 | PL and TAG metabolism | 0.19 | 0.92 | 0.03 | 1.00 | 0.21 | 0.81 | 0.10 | 0.91 | 0.13 | 0.97 | 0.09 | 0.92 | -0.44 | 1.00 | -0.14 | 0.87 |
| gene16299:106609452 | chpt1\_1 | PL and TAG metabolism | -0.36 | 0.81 | 0.26 | 1.00 | -0.28 | 0.63 | -0.24 | 0.77 | 0.06 | 0.99 | 0.32 | 0.39 | 0.18 | 1.00 | 0.11 | 0.91 |
| gene1667:100196235 | agpat4\_2 | PL and TAG metabolism | 0.32 | 0.86 | -0.36 | 1.00 | -0.26 | 0.73 | -0.29 | 0.74 | 0.00 | 1.00 | 0.19 | 0.82 | 0.75 | 0.75 | 0.51 | 0.24 |
| gene1752:106612554 | agpat5\_2 | PL and TAG metabolism | 0.44 | 0.82 | 0.10 | 1.00 | 0.09 | 0.97 | -0.13 | 0.92 | 0.54 | 0.75 | -0.38 | 0.62 | 0.97 | 1.00 | 0.88 | 0.12 |
| gene17655:106610702 | mboat2a\_2 | PL and TAG metabolism | -0.82 | 0.30 | -0.09 | 1.00 | -1.54 | 0.17 | -1.06 | 0.66 | -0.55 | 0.88 | 0.32 | 0.40 | 0.21 | 1.00 | 0.14 | 0.94 |
| gene17683:106610734 | lpin1\_2 | PL and TAG metabolism | 0.21 | 0.98 | -0.06 | 1.00 | -0.55 | 0.42 | -0.04 | 0.99 | 0.02 | 1.00 | -0.06 | 0.97 | 1.42 | 0.05 | 0.33 | 0.80 |
| gene1780:100380610 | pgs1\_1 | PL and TAG metabolism | 0.25 | 0.91 | -0.17 | 1.00 | -0.43 | 0.36 | -0.64 | 0.05 | 0.14 | 0.97 | -0.27 | 0.66 | 0.08 | 1.00 | -0.09 | 0.94 |
| gene19429:106612410 | pcyt1aa | PL and TAG metabolism | -0.06 | 0.99 | -0.04 | 1.00 | 0.54 | 0.30 | 0.46 | 0.51 | -0.01 | 1.00 | 0.04 | 0.98 | 0.02 | 1.00 | 0.48 | 0.49 |
| gene20832:100195687 | plpp2b\_2 | PL and TAG metabolism | 0.02 | 1.00 | -0.01 | 1.00 | -0.07 | 0.98 | -0.14 | 0.94 | 0.16 | 0.98 | -0.28 | 0.86 | 0.52 | 1.00 | 0.61 | 0.61 |
| gene2102:106561845 | plpp1b\_1 | PL and TAG metabolism | -0.06 | 0.99 | 0.52 | 1.00 | -0.14 | 0.87 | -0.09 | 0.92 | 0.13 | 0.97 | -0.21 | 0.72 | 0.53 | 1.00 | -0.01 | 1.00 |
| gene21041:106560230 | plpp3a\_2 | PL and TAG metabolism | 0.54 | 0.86 | -0.04 | 1.00 | -0.07 | 0.97 | 0.04 | 0.98 | 0.18 | 0.97 | -0.56 | 0.28 | 0.01 | 1.00 | 0.48 | 0.33 |
| gene21533:106560699 | ptdss2 | PL and TAG metabolism | -0.10 | 0.98 | -0.54 | 1.00 | -0.14 | 0.93 | 0.62 | 0.19 | 0.18 | 0.98 | -0.47 | 0.35 | -0.27 | 1.00 | -0.10 | 0.91 |
| gene21944:106560813 | chka\_2 | PL and TAG metabolism | 0.00 | 1.00 | -0.10 | 1.00 | -1.21 | 0.00 | -0.84 | 0.30 | 0.01 | 1.00 | -0.03 | 0.98 | 0.47 | 1.00 | -0.88 | 0.35 |
| gene22075:106561237 | chkb | PL and TAG metabolism | -0.16 | 0.96 | 0.17 | 1.00 | -0.73 | 0.02 | -0.56 | 0.44 | -0.11 | 0.99 | 0.20 | 0.69 | -0.26 | 1.00 | 0.08 | 0.95 |
| gene2280:106563657 | gpat3a\_2 | PL and TAG metabolism | 0.45 | 0.88 | 0.15 | 1.00 | 0.47 | 0.71 | -0.35 | 0.64 | 0.50 | 0.65 | -0.12 | 0.91 | 0.58 | 1.00 | -0.25 | 0.70 |
| gene23264:106562418 | lpcat2\_2 | PL and TAG metabolism | -0.28 | 0.91 | 0.29 | 1.00 | -0.86 | 0.07 | -0.28 | 0.88 | -0.21 | 0.95 | -0.21 | 0.83 | -0.09 | 1.00 | -0.03 | 0.99 |
| gene23273:100380789 | lpcat2\_1 | PL and TAG metabolism | -0.87 | 0.10 | 0.46 | 1.00 | -0.35 | 0.49 | -0.06 | 0.96 | -0.10 | 0.98 | 0.30 | 0.56 | 0.17 | 1.00 | 0.50 | 0.71 |
| gene23807:106562956 | agpat2\_1 | PL and TAG metabolism | 1.12 | 0.18 | -0.44 | 1.00 | -0.11 | 0.97 | NA | NA | 0.35 | 0.94 | -0.10 | 0.96 | NA | NA | NA | NA |
| gene23940:106563023 | pisd\_1 | PL and TAG metabolism | 0.20 | 0.92 | -0.17 | 1.00 | -0.13 | 0.91 | -0.50 | 0.22 | 0.26 | 0.90 | -0.13 | 0.85 | 0.25 | 1.00 | -0.65 | 0.36 |
| gene26016:106565215 | lpin3\_2 | PL and TAG metabolism | 0.24 | 0.90 | -0.21 | 1.00 | 0.05 | 0.97 | -0.16 | 0.88 | 0.05 | 0.99 | 0.03 | 0.98 | 0.05 | 1.00 | 0.58 | 0.48 |
| gene26138:100194840 | cept1a\_1 | PL and TAG metabolism | -0.17 | 0.94 | 0.00 | 1.00 | -0.07 | 0.95 | -0.07 | 0.95 | -0.10 | 0.98 | 0.18 | 0.75 | 0.05 | 1.00 | 0.01 | 1.00 |
| gene26550:106565623 | etnk2\_2 | PL and TAG metabolism | 0.64 | 0.24 | -0.33 | 1.00 | -0.16 | 0.88 | -0.44 | 0.63 | -0.07 | 1.00 | 0.08 | 0.93 | 0.38 | 1.00 | 0.09 | 0.94 |
| gene2666:100380321 | pisd\_2 | PL and TAG metabolism | 0.20 | 0.93 | -0.09 | 1.00 | -0.08 | 0.97 | -0.12 | 0.94 | 0.17 | 0.96 | -0.34 | 0.64 | 1.84 | 0.02 | -0.28 | 0.79 |
| gene2787:106568861 | agpat2\_2 | PL and TAG metabolism | -0.83 | 0.58 | 0.59 | 1.00 | 0.14 | 0.97 | 1.04 | 0.44 | -0.11 | 0.99 | 0.57 | 0.33 | NA | NA | NA | NA |
| gene28036:106566938 | cept1b\_1 | PL and TAG metabolism | 0.16 | 0.95 | -0.13 | 1.00 | 0.10 | 0.94 | -0.33 | 0.54 | 0.01 | 1.00 | 0.13 | 0.87 | -0.05 | 1.00 | -0.04 | 0.97 |
| gene288:106566507 | mboat2a\_1 | PL and TAG metabolism | -0.15 | 0.97 | 0.05 | 1.00 | 0.17 | 0.91 | 0.02 | 0.99 | 0.02 | 1.00 | 0.21 | 0.67 | 0.07 | 1.00 | -0.16 | 0.85 |
| gene28940:106567949 | mogat2\_2 | PL and TAG metabolism | 1.30 | 0.76 | -0.61 | 1.00 | 0.13 | 0.90 | -0.50 | 0.50 | 0.27 | 0.90 | 0.15 | 0.86 | NA | NA | NA | NA |
| gene28941:106567948 | dgat2\_2 | PL and TAG metabolism | 2.16 | 0.69 | 0.92 | 1.00 | -0.06 | 0.99 | -0.49 | 0.81 | 2.16 | 0.22 | -0.71 | 0.79 | -0.32 | 1.00 | 0.59 | 0.55 |
| gene29314:100196460 | gpat3a\_1 | PL and TAG metabolism | 0.30 | 0.87 | -0.11 | 1.00 | -0.11 | 0.97 | 0.21 | 0.89 | 0.40 | 0.87 | -0.34 | 0.70 | 0.20 | 1.00 | 0.68 | 0.16 |
| gene29464:106568407 | plpp1b\_2 | PL and TAG metabolism | -0.17 | 0.95 | 0.11 | 1.00 | 0.45 | 0.20 | 0.07 | 0.95 | 0.23 | 0.92 | -0.31 | 0.48 | 0.09 | 1.00 | -0.03 | 0.98 |
| gene30010:106568933 | pcyt1ab\_1 | PL and TAG metabolism | 0.02 | 1.00 | -0.23 | 1.00 | -0.13 | 0.93 | -0.02 | 0.99 | 0.05 | 0.99 | -0.22 | 0.77 | 0.62 | 1.00 | -0.04 | 0.97 |
| gene30470:106569302 | plpp3b\_1 | PL and TAG metabolism | -0.94 | 0.11 | 0.34 | 1.00 | 0.02 | 1.00 | -0.46 | 0.59 | 0.22 | 0.97 | -0.05 | 0.98 | 0.46 | 1.00 | -0.06 | 0.98 |
| gene31464:106570327 | lpcat1a | PL and TAG metabolism | -0.98 | 0.10 | 0.42 | 1.00 | -0.73 | 0.05 | -0.04 | 0.98 | -0.13 | 0.98 | -0.02 | 0.98 | -1.02 | 0.53 | 0.36 | 0.74 |
| gene31537:106570407 | dgat1a\_1 | PL and TAG metabolism | 1.60 | 0.71 | 0.93 | 1.00 | 0.24 | 0.74 | 0.14 | 0.86 | -0.31 | 0.88 | 0.14 | 0.86 | 0.58 | 1.00 | 1.18 | 0.05 |
| gene31614:106570478 | ptdss1c\_1 | PL and TAG metabolism | -0.56 | 0.79 | 0.04 | 1.00 | -0.18 | 0.93 | -0.13 | 0.95 | -0.41 | 0.87 | 0.27 | 0.84 | 1.49 | 1.00 | NA | NA |
| gene32153:106571011 | ept1\_b | PL and TAG metabolism | 0.75 | 0.45 | -0.54 | 1.00 | 0.27 | 0.81 | -0.57 | 0.33 | 0.11 | 0.98 | -0.03 | 0.98 | -0.41 | 1.00 | 0.06 | 0.97 |
| gene32355:106571200 | lpgat1\_1 | PL and TAG metabolism | -0.03 | 1.00 | -0.08 | 1.00 | 0.22 | 0.75 | -0.41 | 0.50 | 0.44 | 0.78 | -0.28 | 0.56 | 0.24 | 1.00 | 0.06 | 0.97 |
| gene32391:106571255 | mboat2b\_1 | PL and TAG metabolism | -0.82 | 0.59 | 0.30 | 1.00 | -0.15 | 0.93 | 0.74 | 0.54 | 0.27 | 0.97 | -0.13 | 0.94 | NA | NA | NA | NA |
| gene33281:106572169 | cept1b\_2 | PL and TAG metabolism | 0.26 | 0.87 | -0.18 | 1.00 | 0.04 | 0.98 | 0.22 | 0.76 | 0.19 | 0.94 | -0.06 | 0.96 | -0.45 | 1.00 | -0.50 | 0.46 |
| gene34128:106572982 | taz\_2 | PL and TAG metabolism | 0.61 | 0.59 | 0.00 | 1.00 | 0.35 | 0.40 | 0.01 | 0.99 | 0.68 | 0.30 | 0.15 | 0.89 | 0.24 | 1.00 | 0.23 | 0.78 |
| gene34155:100196028 | taz\_1 | PL and TAG metabolism | 0.45 | 0.77 | -0.22 | 1.00 | 0.19 | 0.87 | 0.34 | 0.72 | 0.61 | 0.66 | 0.00 | 1.00 | 0.44 | 1.00 | 0.86 | 0.26 |
| gene34705:106573758 | chka\_1 | PL and TAG metabolism | -0.53 | 0.95 | -0.31 | 1.00 | -0.99 | 0.24 | -0.21 | 0.92 | 1.90 | 0.35 | -1.82 | 0.28 | -0.25 | 1.00 | 0.72 | 0.33 |
| gene35395:106574312 | agpat3a\_2 | PL and TAG metabolism | 0.24 | 0.89 | -0.21 | 1.00 | -0.17 | 0.85 | -0.74 | 0.04 | 0.11 | 0.98 | -0.35 | 0.41 | 0.87 | 0.91 | 0.53 | 0.53 |
| gene35644:106574497 | plpp2a\_1 | PL and TAG metabolism | 0.00 | 1.00 | -0.25 | 1.00 | 0.17 | 0.92 | 0.21 | 0.92 | 0.55 | 0.91 | -0.80 | 0.39 | 1.68 | 0.76 | 0.33 | 0.85 |
| gene36210:100195109 | agpat3a\_1 | PL and TAG metabolism | 0.52 | 0.80 | 0.08 | 1.00 | -0.11 | 0.92 | -0.43 | 0.60 | 0.01 | 1.00 | -0.06 | 0.95 | 0.63 | 1.00 | 0.21 | 0.77 |
| gene36483:106575392 | plpp2a\_2 | PL and TAG metabolism | -0.04 | 1.00 | -0.19 | 1.00 | -0.15 | 0.93 | 0.70 | 0.07 | -0.60 | 0.45 | -0.20 | 0.70 | 0.38 | 1.00 | 0.44 | 0.82 |
| gene3691:106577207 | lpiat1 | PL and TAG metabolism | -0.04 | 1.00 | -0.22 | 1.00 | -0.05 | 0.97 | -0.13 | 0.89 | 0.03 | 1.00 | -0.19 | 0.70 | 0.39 | 1.00 | 0.18 | 0.88 |
| gene37244:106576151 | etnk1\_1 | PL and TAG metabolism | 0.61 | 0.83 | 0.13 | 1.00 | 0.39 | 0.48 | 0.33 | 0.54 | 0.04 | 1.00 | 0.22 | 0.73 | -0.16 | 1.00 | 0.11 | 0.93 |
| gene37376:106576273 | chpt1\_2 | PL and TAG metabolism | 0.17 | 0.94 | -0.29 | 1.00 | -0.30 | 0.62 | -0.45 | 0.52 | -0.17 | 0.98 | 0.33 | 0.37 | 0.29 | 1.00 | -0.28 | 0.68 |
| gene39525:106578451 | pcyt1ba\_1 | PL and TAG metabolism | -0.17 | 0.97 | -0.31 | 1.00 | -0.62 | 0.42 | -0.29 | 0.91 | 0.44 | 0.92 | -0.71 | 0.31 | NA | NA | NA | NA |
| gene39766:106578699 | lpin2\_1 | PL and TAG metabolism | 0.09 | 0.99 | -0.44 | 1.00 | -0.51 | 0.26 | -0.06 | 0.96 | -0.97 | 0.37 | 0.28 | 0.60 | -0.29 | 1.00 | 0.08 | 0.92 |
| gene40144:100196273 | pemt | PL and TAG metabolism | 0.27 | 0.85 | -0.04 | 1.00 | -0.46 | 0.20 | -0.69 | 0.09 | -0.20 | 0.95 | -0.11 | 0.92 | 0.09 | 1.00 | -0.73 | 0.10 |
| gene40395:106579146 | gpat1 | PL and TAG metabolism | -0.01 | 1.00 | 0.04 | 1.00 | 0.32 | 0.60 | -0.17 | 0.87 | 0.53 | 0.91 | 0.20 | 0.75 | 0.29 | 1.00 | 0.23 | 0.78 |
| gene41391:100195147 | gpat4b\_2 | PL and TAG metabolism | 0.39 | 0.88 | 0.13 | 1.00 | 0.40 | 0.82 | 0.34 | 0.86 | -0.07 | 0.99 | 0.30 | 0.81 | NA | NA | 0.32 | 0.89 |
| gene41573:106580447 | gpat2 | PL and TAG metabolism | -0.06 | 0.99 | 0.13 | 1.00 | 0.08 | 0.96 | -0.14 | 0.88 | 0.18 | 0.96 | -0.34 | 0.57 | -0.34 | 1.00 | -0.97 | 0.63 |
| gene41616:106580500 | cds2\_1 | PL and TAG metabolism | -0.52 | 0.71 | 0.40 | 1.00 | 0.00 | 1.00 | 0.83 | 0.21 | 0.12 | 0.99 | -0.08 | 0.97 | -0.16 | 1.00 | 0.51 | 0.61 |
| gene41683:106580584 | gpat3b\_1 | PL and TAG metabolism | 0.47 | 0.77 | -0.18 | 1.00 | -0.07 | 0.95 | -0.34 | 0.61 | -0.43 | 0.80 | 0.02 | 0.98 | -0.80 | 0.82 | -0.38 | 0.71 |
| gene41699:106580570 | plpp1a\_1 | PL and TAG metabolism | 0.95 | 0.60 | 0.76 | 1.00 | 0.78 | 0.67 | NA | NA | 0.43 | 0.96 | NA | NA | NA | NA | NA | NA |
| gene4311:106583352 | lpcat3\_1 | PL and TAG metabolism | 0.69 | 0.46 | -0.31 | 1.00 | -0.08 | 0.94 | -0.14 | 0.91 | 0.80 | 0.83 | 0.28 | 0.66 | 0.28 | 1.00 | 0.36 | 0.56 |
| gene43597:106582438 | agpat3b\_1 | PL and TAG metabolism | 0.23 | 0.96 | -0.01 | 1.00 | -0.85 | 0.04 | 0.04 | 0.98 | 0.34 | 0.87 | 0.13 | 0.91 | 0.99 | 1.00 | -0.08 | 0.96 |
| gene44250:106583121 | etnk2\_1 | PL and TAG metabolism | 0.17 | 0.98 | -0.79 | 1.00 | -1.62 | 0.09 | -0.36 | 0.88 | 0.43 | 0.92 | -0.44 | 0.54 | NA | NA | NA | NA |
| gene44658:106583483 | cept1a\_2 | PL and TAG metabolism | -0.10 | 0.98 | 0.12 | 1.00 | -0.48 | 0.16 | -0.03 | 0.98 | -0.33 | 0.85 | 0.35 | 0.43 | 0.34 | 1.00 | 0.15 | 0.84 |
| gene44781:106583597 | lpin3\_1 | PL and TAG metabolism | -0.22 | 0.94 | -0.18 | 1.00 | -0.33 | 0.83 | 0.27 | 0.82 | -0.07 | 0.99 | 0.24 | 0.86 | -0.23 | 1.00 | NA | NA |
| gene45489:106584209 | plpp3a\_1 | PL and TAG metabolism | -0.24 | 0.97 | -0.02 | 1.00 | -0.58 | 0.41 | 0.33 | 0.84 | 0.85 | 0.43 | -0.60 | 0.72 | NA | NA | 0.97 | 0.37 |
| gene45683:106584410 | plpp2b\_1 | PL and TAG metabolism | -0.24 | 0.92 | -0.20 | 1.00 | -0.07 | 0.97 | 0.21 | 0.84 | 0.09 | 0.98 | 0.08 | 0.94 | -0.38 | 1.00 | NA | NA |
| gene46272:106585174 | plpp1a\_2 | PL and TAG metabolism | 0.26 | 0.97 | 0.04 | 1.00 | 1.17 | 0.01 | 0.70 | 0.11 | 0.25 | 0.97 | 0.28 | 0.59 | 0.33 | 1.00 | 0.06 | 0.95 |
| gene46288:106585165 | gpat3b\_2 | PL and TAG metabolism | -0.90 | 0.37 | -0.51 | 1.00 | 0.07 | 0.96 | 0.24 | 0.74 | 0.09 | 0.99 | 0.00 | 1.00 | -1.03 | 0.51 | 0.55 | 0.56 |
| gene46358:106585108 | cds2\_2 | PL and TAG metabolism | -0.46 | 0.69 | 0.36 | 1.00 | 0.56 | 0.35 | 0.48 | 0.50 | 0.04 | 1.00 | -0.13 | 0.90 | 0.14 | 1.00 | 0.15 | 0.93 |
| gene46582:106585610 | gpat4b\_1 | PL and TAG metabolism | -0.04 | 1.00 | -0.05 | 1.00 | -0.05 | 0.98 | 0.06 | 0.98 | 0.07 | 0.99 | -0.56 | 0.57 | NA | NA | NA | NA |
| gene47197:106585948 | cds1b | PL and TAG metabolism | 0.11 | 0.98 | -0.11 | 1.00 | 0.28 | 0.62 | 0.30 | 0.56 | 0.02 | 1.00 | -0.02 | 0.99 | 0.16 | 1.00 | -0.02 | 0.99 |
| gene47522:106586274 | agpat3b\_2 | PL and TAG metabolism | 0.41 | 0.73 | -0.12 | 1.00 | 0.24 | 0.88 | -0.48 | 0.43 | 0.47 | 0.66 | -0.13 | 0.89 | 0.45 | 1.00 | -0.43 | 0.60 |
| gene50557:106588986 | dgat1a\_2 | PL and TAG metabolism | 0.48 | 0.89 | -0.20 | 1.00 | 0.38 | 0.44 | 0.43 | 0.58 | -0.17 | 0.97 | 0.59 | 0.03 | -0.52 | 1.00 | 0.70 | 0.60 |
| gene51305:106589751 | agpat4\_1 | PL and TAG metabolism | -0.45 | 0.71 | -0.28 | 1.00 | 0.79 | 0.21 | 1.27 | 0.14 | 0.36 | 0.90 | 0.10 | 0.96 | NA | NA | -0.65 | 0.72 |
| gene51365:106589814 | agpat5\_1 | PL and TAG metabolism | -0.21 | 0.92 | 0.27 | 1.00 | -0.90 | 0.00 | 0.04 | 0.98 | 0.15 | 0.97 | -0.17 | 0.86 | 0.50 | 1.00 | -0.15 | 0.84 |
| gene51394:106589835 | pgs1\_2 | PL and TAG metabolism | -0.20 | 0.95 | -0.83 | 1.00 | -0.33 | 0.64 | -0.71 | 0.32 | -0.25 | 0.93 | -0.71 | 0.18 | 0.17 | 1.00 | -0.82 | 0.60 |
| gene51691:106590143 | lpin2\_2 | PL and TAG metabolism | 0.33 | 0.87 | 0.18 | 1.00 | 0.09 | 0.94 | 0.14 | 0.87 | -0.47 | 0.79 | 0.34 | 0.31 | 0.31 | 1.00 | -0.16 | 0.91 |
| gene5194:100380284 | pcyt2a | PL and TAG metabolism | 0.04 | 0.99 | -0.47 | 1.00 | -0.12 | 0.91 | -0.24 | 0.83 | -0.08 | 0.99 | 0.09 | 0.90 | 0.29 | 1.00 | -0.06 | 0.95 |
| gene56649:106590970 | ptdss1b | PL and TAG metabolism | -0.03 | 1.00 | -0.52 | 1.00 | 0.19 | 0.91 | 0.53 | 0.48 | 0.06 | 0.99 | 0.02 | 1.00 | -0.47 | 1.00 | 0.26 | 0.89 |
| gene6217:106599064 | pcyt1ab\_2 | PL and TAG metabolism | -0.06 | 0.99 | 0.02 | 1.00 | 0.13 | 0.88 | 0.05 | 0.96 | -0.21 | 0.92 | 0.27 | 0.50 | -0.11 | 1.00 | 0.14 | 0.88 |
| gene636:100380602 | crls1 | PL and TAG metabolism | 0.36 | 0.74 | -0.53 | 1.00 | -0.14 | 0.88 | -0.35 | 0.69 | 0.15 | 0.96 | -0.28 | 0.60 | 0.47 | 1.00 | -0.38 | 0.59 |
| gene6624:106600418 | plpp3b\_2 | PL and TAG metabolism | -0.39 | 0.81 | 0.59 | 1.00 | -0.04 | 0.99 | 0.27 | 0.82 | 0.50 | 0.81 | -0.38 | 0.64 | NA | NA | -0.06 | 0.98 |
| gene7113:106600754 | cdipt | PL and TAG metabolism | -0.07 | 0.99 | 0.01 | 1.00 | -0.11 | 0.92 | -0.13 | 0.86 | -0.04 | 1.00 | -0.01 | 0.99 | 0.17 | 1.00 | -0.09 | 0.91 |
| gene719:106601632 | lclat1 | PL and TAG metabolism | 0.24 | 0.86 | 0.02 | 1.00 | -0.02 | 0.99 | -0.06 | 0.95 | 0.10 | 0.98 | 0.14 | 0.83 | 0.02 | 1.00 | 0.24 | 0.70 |
| gene79271:106594620 | ept1\_a | PL and TAG metabolism | 0.34 | 0.89 | -0.23 | 1.00 | -0.16 | 0.91 | -0.28 | 0.72 | 0.13 | 0.98 | -0.06 | 0.97 | -0.80 | 1.00 | 0.62 | 0.54 |
| gene79472:106595791 | ptdss1a | PL and TAG metabolism | -0.57 | 0.73 | -0.31 | 1.00 | 0.76 | 0.53 | NA | NA | 0.21 | 0.97 | -0.49 | 0.67 | NA | NA | NA | NA |
| gene10032:106603538 | dgat2\_1 | PL and TAG metabolism | NA | NA | NA | NA | -0.66 | 0.06 | -0.06 | 0.98 | NA | NA | NA | NA | -0.15 | 1.00 | 0.46 | 0.51 |
| gene13081:106606425 | pcyt2b | PL and TAG metabolism | NA | NA | 1.09 | 1.00 | 1.96 | 0.00 | 0.05 | 0.98 | 0.00 | 1.00 | -0.02 | 0.99 | NA | NA | NA | NA |
| gene13083:106606443 | pcyt2c\_2 | PL and TAG metabolism | NA | NA | 0.60 | 1.00 | -0.65 | 0.66 | 0.02 | 0.99 | -0.18 | 0.97 | 0.03 | 0.99 | NA | NA | NA | NA |
| gene24422:106563634 | pcyt1bb\_2 | PL and TAG metabolism | NA | NA | NA | NA | -0.12 | 0.92 | -0.38 | 0.56 | 0.08 | 1.00 | 0.74 | 0.28 | 0.20 | 1.00 | 0.03 | 0.99 |
| gene32053:106570914 | cds1a | PL and TAG metabolism | NA | NA | NA | NA | -2.02 | 0.00 | 0.65 | 0.69 | NA | NA | NA | NA | NA | NA | NA | NA |
| gene50484:106588913 | ptdss1c\_2 | PL and TAG metabolism | NA | NA | NA | NA | -0.56 | 0.65 | NA | NA | 0.31 | 0.97 | NA | NA | NA | NA | NA | NA |
| gene9613:106603074 | pcyt1bb\_1 | PL and TAG metabolism | NA | NA | 0.69 | 1.00 | -0.49 | 0.15 | -0.36 | 0.63 | -0.12 | 0.99 | 0.75 | 0.01 | 0.43 | 1.00 | -0.06 | 0.96 |
| gene8294:106601930 | pcyt2c\_1 | PL and TAG metabolism | NA | NA | NA | NA | NA | NA | 0.25 | 0.89 | -0.07 | 0.99 | 0.01 | 1.00 | NA | NA | NA | NA |
| gene320:106570052 | lpin1\_1 | PL and TAG metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.76 | 0.27 | -0.36 | 0.89 |
| gene5280:106592432 | plpp3c | PL and TAG metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.35 | 1.00 | 0.64 | 0.62 |
| gene57822:106593135 | mogat3a | PL and TAG metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -0.46 | 1.00 | -0.31 | 0.76 |
| gene59232:106592264 | lpcat1b\_1 | PL and TAG metabolism | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -2.12 | 0.00 | NA | NA | NA | NA |
| gene12735:106606082 | rxrba\_2 | Signalling | -0.14 | 0.97 | 0.02 | 1.00 | -0.17 | 0.85 | 0.14 | 0.87 | -0.10 | 0.98 | 0.15 | 0.77 | 0.02 | 1.00 | 0.32 | 0.58 |
| gene21752:100136415 | pparab\_1 | Signalling | 0.70 | 0.73 | 0.31 | 1.00 | -0.16 | 0.88 | -0.08 | 0.96 | 0.58 | 0.53 | 0.31 | 0.46 | 0.05 | 1.00 | 0.48 | 0.53 |
| gene22778:106561932 | lxra\_2 | Signalling | 0.38 | 0.73 | 0.05 | 1.00 | -0.14 | 0.88 | 0.07 | 0.94 | -0.06 | 0.99 | 0.00 | 1.00 | 0.09 | 1.00 | 0.00 | 1.00 |
| gene2444:106565394 | rxraa\_2 | Signalling | 0.65 | 0.69 | 0.33 | 1.00 | 1.52 | 0.00 | 0.30 | 0.81 | 1.02 | 0.53 | -0.46 | 0.75 | 0.30 | 1.00 | -0.39 | 0.68 |
| gene27782:106566754 | pparg\_2 | Signalling | 0.55 | 0.89 | NA | NA | -0.19 | 0.80 | 0.19 | 0.81 | 0.09 | 0.99 | 0.11 | 0.91 | NA | NA | 0.72 | 0.59 |
| gene28097:106566994 | ppardb\_1 | Signalling | 0.54 | 0.59 | -0.39 | 1.00 | -0.06 | 0.98 | 0.75 | 0.17 | 0.12 | 0.99 | -0.20 | 0.84 | -0.24 | 1.00 | 0.44 | 0.64 |
| gene31190:106569952 | rxrba\_3 | Signalling | -0.36 | 0.83 | 0.06 | 1.00 | -0.13 | 0.94 | 0.80 | 0.19 | -0.11 | 0.99 | -0.24 | 0.83 | -0.32 | 1.00 | 0.43 | 0.70 |
| gene33072:100136393 | pparg\_1 | Signalling | -0.49 | 0.78 | 0.15 | 1.00 | -0.01 | 1.00 | 0.08 | 0.95 | -0.06 | 0.99 | 0.61 | 0.01 | 0.23 | 1.00 | 0.64 | 0.19 |
| gene33945:100136536 | ppardb\_2 | Signalling | -0.01 | 1.00 | 0.50 | 1.00 | NA | NA | NA | NA | NA | NA | NA | NA | -0.91 | 1.00 | NA | NA |
| gene45110:106583866 | pparg\_3 | Signalling | 0.55 | 0.76 | NA | NA | 0.51 | 0.55 | 0.21 | 0.83 | 0.40 | 0.91 | 0.11 | 0.95 | NA | NA | 0.09 | 0.97 |
| gene45770:106584489 | pparab\_2 | Signalling | 0.64 | 0.85 | 0.02 | 1.00 | -0.06 | 0.97 | -0.22 | 0.82 | 1.23 | 0.47 | -0.26 | 0.90 | 0.08 | 1.00 | 0.25 | 0.72 |
| gene47012:106585776 | rxraa\_3 | Signalling | 0.16 | 0.95 | 0.57 | 1.00 | NA | NA | -0.19 | 0.93 | -0.05 | 1.00 | 1.41 | 0.09 | NA | NA | NA | NA |
| gene48321:100270809 | lxra\_1 | Signalling | 0.07 | 0.98 | -0.08 | 1.00 | -0.02 | 0.99 | 0.10 | 0.91 | -0.20 | 0.95 | 0.29 | 0.41 | -0.28 | 1.00 | 0.28 | 0.66 |
| gene49859:106588394 | rxrba\_1 | Signalling | -0.21 | 0.91 | 0.12 | 1.00 | 0.03 | 0.98 | 0.20 | 0.77 | 0.04 | 1.00 | 0.08 | 0.91 | -0.07 | 1.00 | 0.44 | 0.48 |
| gene6246:106599103 | rxrgb\_3 | Signalling | 2.29 | 0.60 | 0.81 | 1.00 | 1.44 | 0.49 | NA | NA | 0.85 | 0.76 | 0.27 | 0.81 | -0.13 | 1.00 | 0.27 | 0.70 |
| gene68452:106596748 | rxrgb\_1 | Signalling | 0.52 | 0.80 | 0.08 | 1.00 | -0.06 | 0.97 | 0.05 | 0.97 | 1.65 | 0.48 | 0.04 | 0.99 | 0.01 | 1.00 | 0.86 | 0.03 |
| gene22207:106561422 | fxr\_1 | Signalling | NA | NA | NA | NA | -0.08 | 0.96 | 0.04 | 0.97 | -0.34 | 0.92 | -0.02 | 0.99 | 0.02 | 1.00 | 0.30 | 0.65 |
| gene34435:106573302 | fxr\_2 | Signalling | NA | NA | NA | NA | 0.05 | 0.97 | -0.04 | 0.97 | -0.18 | 0.96 | 0.06 | 0.94 | 0.21 | 1.00 | 0.24 | 0.72 |
| gene24141:106563228 | rxraa\_1 | Signalling | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.31 | 1.00 | 0.59 | 0.55 |
| gene30035:106568909 | rxrgb\_2 | Signalling | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.36 | 1.00 | -0.66 | 0.35 |
| gene8199:100502556 | srebp1a | Signalling | 0.07 | 0.99 | 0.09 | 1.00 | -0.26 | 0.89 | -0.27 | 0.86 | 0.31 | 0.92 | 0.11 | 0.96 | 0.14 | 1.00 | 0.97 | 0.37 |
| gene13206:100502556 | srebp1b | Signalling | NA | NA | NA | NA | -1.18 | 0.13 | -0.16 | 0.93 | 0.84 | 0.62 | 0.27 | 0.87 | NA | NA | -0.47 | 0.84 |
| gene13245:106606621 | srebp1c | Signalling | 0.11 | 0.99 | 0.18 | 1.00 | -0.27 | 0.84 | -0.43 | 0.72 | 0.68 | 0.60 | -0.02 | 0.99 | 0.22 | 1.00 | 0.80 | 0.50 |
| gene13281:106606632 | srebp1d | Signalling | -0.13 | 0.97 | 0.03 | 1.00 | -0.64 | 0.07 | -0.79 | 0.06 | 0.37 | 0.83 | -0.14 | 0.83 | 0.73 | 1.00 | 0.37 | 0.84 |
| gene13982:106607132 | srebp2a\_2 | Signalling | 0.10 | 0.98 | -0.25 | 1.00 | 1.49 | 0.00 | 0.49 | 0.25 | 0.29 | 0.87 | -0.31 | 0.49 | 0.39 | 1.00 | 0.05 | 0.97 |
| gene13993:106607120 | srebp2b | Signalling | -0.09 | 0.98 | -0.13 | 1.00 | 1.15 | 0.00 | 0.14 | 0.85 | 0.03 | 1.00 | -0.37 | 0.32 | 0.38 | 1.00 | -0.50 | 0.45 |
| gene7578:100502557 | srebp2a\_1 | Signalling | 0.11 | 0.98 | 0.17 | 1.00 | 1.35 | 0.00 | 0.80 | 0.23 | 0.48 | 0.77 | 0.24 | 0.86 | 0.81 | 1.00 | 0.36 | 0.76 |