Table S3. Significant genes with evidence for differential regulation after EPA/DHA and/or DON treatment in IPEC-1.

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| --- | --- |
| **Gene** | **Log2 (fold change)** |
| **DON/CON** | **EPA/CON** | **DHA/CON** | **DON+EPA/DON** | **DON+DHA/DON** |
| **LAMA1** | 3.920871 | -0.81719 | -1.21134 | -2.05672 | -3.36323 |
| **CDA** | -1.74 | 0.588309 | 0.977798 | 1.126809 | 1.897042 |
| **LOC100625418** | -4.55078 | -0.01387 | 0.425708 | 1.132142 | 1.954062 |
| **SEMA3D** | 1.689272 | -2.45518 | -2.38402 | -1.82536 | -1.3094 |
| **POSTN** | -2.78326 | -0.42463 | -2.10141 | -1.22141 | -2.38413 |
| **PIR** | -1.53524 | 0.979077 | 1.298238 | 1.124112 | 1.754649 |
| **EPHA7** | -1.4666 | -1.22065 | -2.49571 | -1.84699 | -1.89592 |
| **XKRX** | -1.25651 | 0.948726 | 1.864415 | 1.248645 | 1.847542 |
| **SPP1** | -4.91455 | -0.57131 | -0.9509 | 1.189497 | 1.353057 |
| **PADI3** | -4.56454 | 1.531886 | 1.568064 | 1.35158 | 1.193985 |
| **LOC100517169** | -1.96537 | -2.23062 | -3.68276 | -1.57895 | -2.1616 |
| **AKR1CL1** | -1.51971 | 2.172388 | 4.473532 | 2.315554 | 3.652415 |
| **LOC100521659** | 1.184845 | -2.11028 | -2.47045 | -1.23694 | -1.69679 |
| **IL17D** | -3.11707 | -0.0784 | -0.22707 | 1.212283 | 1.474384 |
| **HOPX** | -3.01004 | -0.10683 | -1.90925 | -1.15046 | -2.00342 |
| **LOC106506691** | -2.22437 | 0.658317 | 0.880686 | 1.418596 | 2.158782 |
| **DMBT1** | -1.74436 | -1.13131 | -2.15945 | -1.73319 | -3.14716 |
| **HTR1A** | 1.567365 | -1.33566 | -2.02521 | -1.69653 | -1.76846 |
| **LOC100628233** | -6.0709 | -0.18034 | 0.239519 | 1.123633 | 1.515223 |
| **PANX2** | 1.238698 | 1.397389 | 2.481027 | 1.010276 | 1.500639 |
| **FRAS1** | -2.74229 | -1.6773 | -3.33782 | -1.00881 | -1.55505 |
| **LOC102165929** | -2.33687 | -0.56833 | -1.29362 | -1.1821 | -1.73735 |
| **SLC9A4** | -2.57181 | -0.60352 | -0.97842 | -1.23195 | -1.8155 |
| **ABCG1** | -3.10774 | 1.087956 | 2.094392 | 1.174716 | 1.861765 |
| **LOC100515838** | -1.8798 | 1.316589 | 1.335348 | 1.525287 | 1.295302 |
| **ECM1** | -2.56898 | 0.639938 | 0.8805 | 1.4111 | 1.419814 |
| **INHBE** | -4.99178 | 0.725351 | 0.462763 | 2.172457 | 1.37059 |
| **AKR1C1** | -2.2979 | 1.041002 | 2.776698 | 1.997026 | 3.516052 |
| **COL4A6** | -2.22302 | -1.00015 | -2.12961 | -1.42401 | -1.2082 |
| **MGAT4C** | -1.79391 | -0.82692 | -0.14976 | -1.38163 | -1.27301 |
| **KCNK5** | -1.3235 | 1.012781 | 1.376017 | 1.223656 | 1.159899 |
| **KCNIP4** | -2.26088 | -0.42433 | -0.21771 | -1.58823 | -1.15874 |
| **TPK1** | -1.6856 | -0.58321 | -0.91223 | -1.25682 | -1.17235 |
| **MAFB** | -1.18316 | -0.26905 | -0.45492 | -1.20516 | -1.16429 |
| **SEMA7A** | -2.82199 | 0.216256 | 0.682228 | 1.032671 | 1.322214 |
| **UNC45B** | -2.59751 | 0.208013 | 0.225952 | 1.104084 | 1.150861 |
| **LOC106510480** | 2.193359 | 1.992917 | 5.605159 | 1.853993 | 3.765924 |
| **CDH6** | -1.21098 | -1.18448 | -1.81655 | -1.37732 | -1.99058 |
| **CHAC1** | -3.79506 | 0.357452 | 0.345205 | 1.436087 | 1.041884 |
| **GSTA1** | -4.98079 | -0.41197 | 1.386494 | 1.749564 | 3.379482 |
| **LOC100737091** | -1.60402 | -0.89631 | -1.48 | -1.1249 | -1.10103 |