|  |  |  |  |
| --- | --- | --- | --- |
| Gene | Comparison | P value | P value |

|  |  |  |  |
| --- | --- | --- | --- |
| ESR1 |  | F1 Larvae | F2 Larvae |
| 22°C MeOH – 28°C MeOH | 1.00000 | 0.987 |
| 22°C MeOH – 28° Bif | 0.9041 | 0.941 |
| 22°C MeOH – 28° EE2 | 0.1537 | 0.991 |
| 22°C MeOH – 22° Bif | 1.00000 | 0.923 |
| 22°C MeOH – 22°EE2 | 1.00000 | 0.832 |
| 22°C EE2 – 28°C EE2 | 0.0627 | 0.997 |
| 22°C EE2 – 28°C MeOH | 1.00000 | 0.996 |
| 22°C EE2 – 28°C Bif | 0.8001 | 1.000 |
| 22°C EE2 – 22°C Bif | 1.00000 | 1.000 |
| 22°C Bif – 28°C Bif | 0.8547 | 1.000 |
| 22°C Bif – 28°C EE2 | 0.0952 | 1.000 |
| 22°C Bif – 28°C MeOH | 1.00000 | 1.000 |
| 28° MeOH – 28°C Bif | 0.8815 | 1.000 |
| 28° MeOH – 28°C EE2 | 0.1378 | 1.000 |
| 28°C EE2 – 28°C Bif | 0.4973 | 1.000 |
| ESR2 | 22°C MeOH – 28°C MeOH | 1.0000 | 0.998 |
| 22°C MeOH – 28° Bif | 0.7870 | 0.973 |
| 22°C MeOH – 28° EE2 | **0.0268\*** | 0.998 |
| 22°C MeOH – 22° Bif | 1.0000 | 0.999 |
| 22°C MeOH – 22°EE2 | 1.0000 | 0.888 |
| 22°C EE2 – 28°C EE2 | **0.0268\*** | 0.996 |
| 22°C EE2 – 28°C MeOH | 1.0000 | 0.992 |
| 22°C EE2 – 28°C Bif | 0.7884 | 1.000 |
| 22°C EE2 – 22°C Bif | 1.0000 | 0.985 |
| 22°C Bif – 28°C Bif | 0.7665 | 0.999 |
| 22°C Bif – 28°C EE2 | **0.0245\*** | 1.000 |
| 22°C Bif – 28°C MeOH | 1.0000 | 1.000 |
| 28° MeOH – 28°C Bif | 0.7735 | 1.000 |
| 28° MeOH – 28°C EE2 | **0.0252\*** | 1.000 |
| 28°C EE2 – 28°C Bif | 0.3272 | 1.000 |
| ESR3 | 22°C MeOH – 28°C MeOH | 1.00000 | 0.999 |
| 22°C MeOH – 28° Bif | 0.4281 | 0.999 |
| 22°C MeOH – 28° EE2 | **0.0362\*** | 0.999 |
| 22°C MeOH – 22° Bif | 1.00000 | 1.000 |
| 22°C MeOH – 22°EE2 | 1.00000 | 0.996 |
| 22°C EE2 – 28°C EE2 | **0.0425\*** | 1.000 |
| 22°C EE2 – 28°C MeOH | 1.00000 | 1.000 |
| 22°C EE2 – 28°C Bif | 0.4648 | 1.000 |
| 22°C EE2 – 22°C Bif | 1.00000 | 1.000 |
| 22°C Bif – 28°C Bif | 0.3910 | 1.000 |
| 22°C Bif – 28°C EE2 | **0.0307\*** | 1.000 |
| 22°C Bif – 28°C MeOH | 1.00000 | 1.000 |
| 28° MeOH – 28°C Bif | 0.4178 | 1.000 |
| 28° MeOH – 28°C EE2 | **0.0347\*** | 1.000 |
| 28°C EE2 – 28°C Bif | 0.9346 | 1.000 |
| GPR30 | 22°C MeOH – 28°C MeOH | 1.0000 | 0.51013 |
| 22°C MeOH – 28° Bif | 0.7675 | 0.69454 |
| 22°C MeOH – 28° EE2 | **0.0261\*** | 0.70695 |
| 22°C MeOH – 22° Bif | 1.0000 | **0.00851\*\*** |
| 22°C MeOH – 22°EE2 | 1.0000 | **0.00294\*\*** |
| 22°C EE2 – 28°C EE2 | **0.0226\*** | **<0.001\*\*\*** |
| 22°C EE2 – 28°C MeOH | 1.0000 | **<0.001\*\*\*** |
| 22°C EE2 – 28°C Bif | 0.7318 | **<0.001\*\*\*** |
| 22°C EE2 – 22°C Bif | 1.0000 | 0.99678 |
| 22°C Bif – 28°C Bif | 0.7911 | **<0.001\*\*\*** |
| 22°C Bif – 28°C EE2 | **0.0376\*** | **<0.001\*\*\*** |
| 22°C Bif – 28°C MeOH | 1.0000 | **<0.001\*\*\*** |
| 28° MeOH – 28°C Bif | 0.7549 | 0.99962 |
| 28° MeOH – 28°C EE2 | **0.0248\*** | 0.99997 |
| 28°C EE2 – 28°C Bif | 0.3351 | 1.000000 |
| GnRHR | 22°C MeOH – 28°C MeOH | 1.00000 | 0.999 |
| 22°C MeOH – 28° Bif | 0.6884 | 0.986 |
| 22°C MeOH – 28° EE2 | **0.0356\*** | 1.000 |
| 22°C MeOH – 22° Bif | 1.00000 | 0.999 |
| 22°C MeOH – 22°EE2 | 1.00000 | 0.969 |
| 22°C EE2 – 28°C EE2 | **0.0365\*** | 0.996 |
| 22°C EE2 – 28°C MeOH | 1.00000 | 0.998 |
| 22°C EE2 – 28°C Bif | 0.6952 | 1.000 |
| 22°C EE2 – 22°C Bif | 1.00000 | 0.999 |
| 22°C Bif – 28°C Bif | 0.6977 | 1.000 |
| 22°C Bif – 28°C EE2 | **0.0369\*** | 1.000 |
| 22°C Bif – 28°C MeOH | 1.00000 | 1.000 |
| 28° MeOH – 28°C Bif | 0.7145 | 1.000 |
| 28° MeOH – 28°C EE2 | **0.0393\*** | 1.000 |
| 28°C EE2 – 28°C Bif | 0.4947 | 0.999 |
| IGF2 | 22°C MeOH – 28°C MeOH | 1.00000 | 1.000 |
| 22°C MeOH – 28° Bif | 0.7359 | 0.999 |
| 22°C MeOH – 28° EE2 | **0.0236\*** | 0.999 |
| 22°C MeOH – 22° Bif | 1.00000 | 0.999 |
| 22°C MeOH – 22°EE2 | 1.00000 | 0.972 |
| 22°C EE2 – 28°C EE2 | **0.0229\*** | 1.000 |
| 22°C EE2 – 28°C MeOH | 1.00000 | 0.998 |
| 22°C EE2 – 28°C Bif | 0.7265 | 0.999 |
| 22°C EE2 – 22°C Bif | 1.00000 | 0.999 |
| 22°C Bif – 28°C Bif | 0.7381 | 1.000 |
| 22°C Bif – 28°C EE2 | **0.0240\*** | 1.000 |
| 22°C Bif – 28°C MeOH | 1.00000 | 1.000 |
| 28° MeOH – 28°C Bif | 0.7515 | 1.000 |
| 28° MeOH – 28°C EE2 | **0.0252\*** | 1.000 |
| 28°C EE2 – 28°C Bif | 0.3482 | 1.000 |
| CYP19b | 22°C MeOH – 28°C MeOH | 0.10000 | 1.000 |
| 22°C MeOH – 28° Bif | 0.8133 | 1.000 |
| 22°C MeOH – 28° EE2 | **0.0297\*** | 0.990 |
| 22°C MeOH – 22° Bif | 1.000000 | 1.000 |
| 22°C MeOH – 22°EE2 | 1.000000 | 0.900 |
| 22°C EE2 – 28°C EE2 | **0.0195\*** | 0.992 |
| 22°C EE2 – 28°C MeOH | 1.000000 | 0.979 |
| 22°C EE2 – 28°C Bif | 0.7544 | 0.999 |
| 22°C EE2 – 22°C Bif | 1.00000 | 0.884 |
| 22°C Bif – 28°C Bif | 0.7563 | 0.984 |
| 22°C Bif – 28°C EE2 | **0.0231\*** | 0.998 |
| 22°C Bif – 28°C MeOH | 1.00000 | 0.999 |
| 28° MeOH – 28°C Bif | 0.7544 | 1.000 |
| 28° MeOH – 28°C EE2 | **0.0231\*** | 1.000 |
| 28°C EE2 – 28°C Bif | 0.3252 | 1.000 |
| FSHR | 22°C MeOH – 28°C MeOH | 0.99968 | 0.62813 |
| 22°C MeOH – 28° Bif | 0.60688 | 0.69645 |
| 22°C MeOH – 28° EE2 | **0.01362\*** | **0.00156\*\*** |
| 22°C MeOH – 22° Bif | 1.000000 | 0.79774 |
| 22°C MeOH – 22°EE2 | 1.000000 | 0.59192 |
| 22°C EE2 – 28°C EE2 | **0.01465\*** | **<0.001\*\*\*** |
| 22°C EE2 – 28°C MeOH | 0.99947 | 1.000 |
| 22°C EE2 – 28°C Bif | 0.62506 | 1.000 |
| 22°C EE2 – 22°C Bif | 1.000000 | 0.99963 |
| 22°C Bif – 28°C Bif | 0.63697 | 0.99996 |
| 22°C Bif – 28°C EE2 | **0.01534\*** | **<0.001\*\*\*** |
| 22°C Bif – 28°C MeOH | 0.99928 | 0.99963 |
| 28° MeOH – 28°C Bif | 0.44192 | 1.000 |
| 28° MeOH – 28°C EE2 | **0.00694\*** | **<0.001\*\*\*** |
| 28°C EE2 – 28°C Bif | 0.044059 | **<0.001\*\*\*** |
| 17β-HSD | 22°C MeOH – 28°C MeOH | 1.00000 | 0.9909 |
| 22°C MeOH – 28° Bif | 0.7240 | **0.0249\*** |
| 22°C MeOH – 28° EE2 | **0.0258\*** | 0.8633 |
| 22°C MeOH – 22° Bif | 1.00000 | 0.9943 |
| 22°C MeOH – 22°EE2 | 1.00000 | 0.9760 |
| 22°C EE2 – 28°C EE2 | **0.0229\*** | 0.9956 |
| 22°C EE2 – 28°C MeOH | 1.00000 | 1.00000 |
| 22°C EE2 – 28°C Bif | 06931 | 0.0862 |
| 22°C EE2 – 22°C Bif | 1.00000 | 1.0000 |
| 22°C Bif – 28°C Bif | 0.7620 | 0.0845 |
| 22°C Bif – 28°C EE2 | **0.0300\*** | 0.9884 |
| 22°C Bif – 28°C MeOH | 1.00000 | 1.0000 |
| 28° MeOH – 28°C Bif | 0.7520 | 0.0924 |
| 28° MeOH – 28°C EE2 | **0.0289\*** | 0.9920 |
| 28°C EE2 – 28°C Bif | 0.3781 | 0.3095 |
| 3β-HSD | 22°C MeOH – 28°C MeOH | 1.00000 | 0.153 |
| 22°C MeOH – 28° Bif | 0.7290 | 0.293 |
| 22°C MeOH – 28° EE2 | **0.0264\*** | 0.304 |
| 22°C MeOH – 22° Bif | 1.00000 | 1.000 |
| 22°C MeOH – 22°EE2 | 1.00000 | 0.506 |
| 22°C EE2 – 28°C EE2 | **0.0273\*** | 0.988 |
| 22°C EE2 – 28°C MeOH | 1.00000 | 0.939 |
| 22°C EE2 – 28°C Bif | 0.7368 | 0.995 |
| 22°C EE2 – 22°C Bif | 1.00000 | 0.693 |
| 22°C Bif – 28°C Bif | 0.7334 | 0.465 |
| 22°C Bif – 28°C EE2 | **0.0268\*** | 0.456 |
| 22°C Bif – 28°C MeOH | 1.00000 | 0.288 |
| 28° MeOH – 28°C Bif | 0.7448 | 0.999 |
| 28° MeOH – 28°C EE2 | **0.0281\*** | 1.000 |
| 28°C EE2 – 28°C Bif | 0.3792 | 1.000 |