

S7 Table: nested ANOVA on candidate genes from mouthbred juveniles: Univariate analysis following significant gene groups in multivariate nested MANOVA. Significant p-Values are marked with asterisk (code: p-Value > 0.001 ***; >0.01 **; >0.01*). **Bold p-values** are in agreement with the multivariate analysis

| nested ANOVA | | aov(x~jtreatment*ftreatment+ftreatment%in%family) | | | | |
|---|----|---|----------|---------|-----------------|----|
| Allograph inflammation factor | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 2.64E-07 | 1.32E-07 | 0.9166 | 0.4059 | |
| maternal treatment | 1 | 8.83E-08 | 8.83E-08 | 0.6137 | 0.4368 | |
| juvenile challenge * maternal treatment | 2 | 3.65E-07 | 1.83E-07 | 1.2681 | 0.2895 | |
| maternal treatment in famliy | 2 | 3.08E-07 | 1.54E-07 | 1.0685 | 0.3505 | |
| Residuals | 55 | 7.92E-06 | 1.44E-07 | | | |
| Androgen receptor A | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 3.59 | 1.7972 | 0.3044 | 0.73883 | |
| maternal treatment | 1 | 18.47 | 18.4743 | 3.1286 | 0.08248 | . |
| juvenile challenge * maternal treatment | 2 | 23.19 | 11.5933 | 1.9633 | 0.15011 | |
| maternal treatment in famliy | 2 | 23.13 | 11.5647 | 1.9584 | 0.15079 | |
| Residuals | 55 | 324.78 | 5.905 | | | |
| Androgen receptor B | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 3064 | 1532 | 0.2629 | 0.769779 | |
| maternal treatment | 1 | 33837 | 33837 | 5.8062 | 0.019344 | * |
| juvenile challenge * maternal treatment | 2 | 8162 | 4081 | 0.7003 | 0.500806 | |
| maternal treatment in famliy | 2 | 62023 | 31011 | 5.3214 | 0.007715 | ** |
| Residuals | 55 | 320524 | 5828 | | | |
| Aromatase B | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 4.75E-07 | 2.38E-07 | 3.6486 | 0.03252 | * |
| maternal treatment | 1 | 3.89E-07 | 3.89E-07 | 5.9754 | 0.01774 | * |
| juvenile challenge * maternal treatment | 2 | 5.03E-07 | 2.51E-07 | 3.8595 | 0.02701 | * |
| maternal treatment in famliy | 2 | 2.86E-07 | 1.43E-07 | 2.1977 | 0.12072 | |
| Residuals | 55 | 3.58E-06 | 6.51E-08 | | | |
| Complement component 1q | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.25E-06 | 6.25E-07 | 3.5572 | 0.035253 | * |
| maternal treatment | 1 | 3.59E-07 | 3.59E-07 | 2.0396 | 0.158906 | |
| juvenile challenge * maternal treatment | 2 | 2.40E-06 | 1.20E-06 | 6.8183 | 0.002263 | ** |
| maternal treatment in famliy | 2 | 2.48E-07 | 1.24E-07 | 0.7052 | 0.49842 | |
| Residuals | 55 | 9.67E-06 | 1.76E-07 | | | |
| Complement component 9 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.043 | 0.52149 | 0.9829 | 0.38072 | |
| maternal treatment | 1 | 0.7514 | 0.75138 | 1.4161 | 0.23915 | |
| juvenile challenge * maternal treatment | 2 | 1.3599 | 0.67994 | 1.2815 | 0.28578 | |
| maternal treatment in famliy | 2 | 3.8644 | 1.93221 | 3.6417 | 0.03272 | * |
| Residuals | 55 | 29.1822 | 0.53059 | | | |
| Calreticulin 1 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 8.06E-07 | 4.03E-07 | 3.4109 | 0.04014 | * |
| maternal treatment | 1 | 7.23E-08 | 7.23E-08 | 0.6117 | 0.43751 | |
| juvenile challenge * maternal treatment | 2 | 9.71E-07 | 4.85E-07 | 4.1078 | 0.02174 | * |

| | | | | | | |
|---|----|----------|----------|---------|-----------------|----|
| maternal treatment in famliy | 2 | 5.76E-07 | 2.88E-07 | 2.4391 | 0.09662 | . |
| Residuals | 55 | 6.50E-06 | 1.18E-07 | | | |
| Calreticulin 3 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.89E-06 | 9.45E-07 | 3.0182 | 0.057051 | . |
| maternal treatment | 1 | 1.07E-07 | 1.07E-07 | 0.3416 | 0.561296 | |
| juvenile challenge * maternal treatment | 2 | 4.13E-06 | 2.06E-06 | 6.5933 | 0.002712 | ** |
| maternal treatment in famliy | 2 | 1.15E-06 | 5.75E-07 | 1.8374 | 0.168872 | |
| Residuals | 55 | 1.72E-05 | 3.13E-07 | | | |
| Catalase | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.57E-07 | 7.84E-08 | 1.0475 | 0.357713 | |
| maternal treatment | 1 | 1.94E-07 | 1.94E-07 | 2.5963 | 0.112839 | |
| juvenile challenge * maternal treatment | 2 | 7.62E-07 | 3.81E-07 | 5.0893 | 0.009377 | ** |
| maternal treatment in famliy | 2 | 3.45E-07 | 1.72E-07 | 2.3019 | 0.109634 | |
| Residuals | 55 | 4.12E-06 | 7.49E-08 | | | |
| Fibronectin beta antigen CD29 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 39658 | 19829 | 0.8329 | 0.4402 | |
| maternal treatment | 1 | 6893 | 6893 | 0.2895 | 0.5927 | |
| juvenile challenge * maternal treatment | 2 | 10940 | 5470 | 0.2298 | 0.7955 | |
| maternal treatment in famliy | 2 | 73463 | 36732 | 1.5429 | 0.2229 | |
| Residuals | 55 | 1309356 | 23806 | | | |
| Fibronectin beta antigen CD81 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 7.99E-07 | 3.99E-07 | 2.9752 | 0.059308 | . |
| maternal treatment | 1 | 1.58E-07 | 1.58E-07 | 1.1761 | 0.282874 | |
| juvenile challenge * maternal treatment | 2 | 1.75E-06 | 8.74E-07 | 6.5106 | 0.002899 | ** |
| maternal treatment in famliy | 2 | 3.87E-08 | 1.94E-08 | 0.1442 | 0.866 | |
| Residuals | 55 | 7.38E-06 | 1.34E-07 | | | |
| Chemokine receptor 9 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.98E-07 | 9.88E-08 | 1.3158 | 0.276583 | |
| maternal treatment | 1 | 7.96E-07 | 7.96E-07 | 10.6012 | 0.001937 | ** |
| juvenile challenge * maternal treatment | 2 | 6.43E-07 | 3.21E-07 | 4.281 | 0.018708 | * |
| maternal treatment in famliy | 2 | 1.90E-07 | 9.47E-08 | 1.2618 | 0.291203 | |
| Residuals | 55 | 4.13E-06 | 7.51E-08 | | | |
| Copper zink dismutase | | | | | | |
| juvenile challenge | 2 | 1.09E-06 | 5.45E-07 | 1.0776 | 0.3475 | |
| maternal treatment | 1 | 7.20E-07 | 7.20E-07 | 1.4226 | 0.23809 | |
| juvenile challenge * maternal treatment | 2 | 3.73E-06 | 1.87E-06 | 3.6897 | 0.03136 | * |
| maternal treatment in famliy | 2 | 3.86E-06 | 1.93E-06 | 3.8108 | 0.02819 | * |
| Residuals | 55 | 2.78E-05 | 5.06E-07 | | | |
| Cortisol receptor | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 843 | 421.7 | 0.5703 | 0.568655 | |
| maternal treatment | 1 | 142 | 141.7 | 0.1916 | 0.663266 | |
| juvenile challenge * maternal treatment | 2 | 7443 | 3721.7 | 5.0329 | 0.009835 | ** |
| maternal treatment in famliy | 2 | 265 | 132.3 | 0.1789 | 0.836687 | |
| Residuals | 55 | 40671 | 739.5 | | | |
| DNA methyltransferase 1 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 8.17E-07 | 4.08E-07 | 3.5972 | 0.03403 | * |

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|---|----|-----------|----------|---------|------------------|-----|
| maternal treatment | 1 | 1.45E-07 | 1.45E-07 | 1.2772 | 0.26333 | |
| juvenile challenge * maternal treatment | 2 | 5.01E-07 | 2.50E-07 | 2.2042 | 0.11999 | |
| maternal treatment in famliy | 2 | 3.88E-07 | 1.94E-07 | 1.7106 | 0.19024 | |
| Residuals | 55 | 6.24E-06 | 1.14E-07 | | | |
| Elongation Factor 1 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 4.96E-06 | 2.48E-06 | 1.9312 | 0.1547 | |
| maternal treatment | 1 | 1.21E-06 | 1.21E-06 | 0.9433 | 0.3357 | |
| juvenile challenge * maternal treatment | 2 | 4.51E-06 | 2.25E-06 | 1.7535 | 0.1827 | |
| maternal treatment in famliy | 2 | 7.64E-07 | 3.82E-07 | 0.2974 | 0.7439 | |
| Residuals | 55 | 7.07E-05 | 1.28E-06 | | | |
| Early growth response protein 1 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.11E-06 | 5.55E-07 | 5.8303 | 0.005053 | ** |
| maternal treatment | 1 | 5.14E-07 | 5.14E-07 | 5.4019 | 0.023836 | * |
| juvenile challenge * maternal treatment | 2 | 7.61E-07 | 3.81E-07 | 4.0009 | 0.023865 | * |
| maternal treatment in famliy | 2 | 6.92E-08 | 3.46E-08 | 0.3638 | 0.696697 | |
| Residuals | 55 | 5.23E-06 | 9.51E-08 | | | |
| Euchromatic histone lysine methyltransferase | | | | | | |
| juvenile challenge | 2 | 345 | 173 | 0.0339 | 0.9666987 | |
| maternal treatment | 1 | 60038 | 60038 | 11.7949 | 0.0011364 | ** |
| juvenile challenge * maternal treatment | 2 | 30874 | 15437 | 3.0327 | 0.0563113 | . |
| maternal treatment in famliy | 2 | 92088 | 46044 | 9.0456 | 0.0004015 | *** |
| Residuals | 55 | 279960 | 5090 | | | |
| Coagulation factor II / Thrombin | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 0.0002352 | 1.18E-04 | 1.0439 | 0.3589 | |
| maternal treatment | 1 | 0.0002173 | 2.17E-04 | 1.929 | 0.1705 | |
| juvenile challenge * maternal treatment | 2 | 0.00022 | 1.10E-04 | 0.9763 | 0.3831 | |
| maternal treatment in famliy | 2 | 0.0000556 | 2.78E-05 | 0.2468 | 0.7822 | |
| Residuals | 55 | 0.0061971 | 1.13E-04 | | | |
| FAM60 A Protein | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 7.64E-06 | 3.82E-06 | 2.1676 | 0.12413 | |
| maternal treatment | 1 | 1.05E-05 | 1.05E-05 | 5.9375 | 0.01809 | * |
| juvenile challenge * maternal treatment | 2 | 3.72E-07 | 1.86E-07 | 0.1056 | 0.90001 | |
| maternal treatment in famliy | 2 | 1.32E-05 | 6.60E-06 | 3.7471 | 0.02981 | * |
| Residuals | 55 | 9.69E-05 | 1.76E-06 | | | |
| Fc fragment of IgL | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 119755 | 59878 | 3.4454 | 0.038926 | * |
| maternal treatment | 1 | 40687 | 40687 | 2.3412 | 0.131725 | |
| juvenile challenge * maternal treatment | 2 | 60996 | 30498 | 1.7549 | 0.18247 | |
| maternal treatment in famliy | 2 | 284040 | 142020 | 8.172 | 0.000781 | *** |
| Residuals | 55 | 955836 | 17379 | | | |
| Growth hormone releasing hormone | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 846 | 423.1 | 0.0967 | 0.908 | |
| maternal treatment | 1 | 1127 | 1126.8 | 0.2575 | 0.6139 | |
| juvenile challenge * maternal treatment | 2 | 6027 | 3013.3 | 0.6887 | 0.5065 | |
| maternal treatment in famliy | 2 | 17113 | 8556.3 | 1.9555 | 0.1512 | |
| Residuals | 55 | 240657 | 4375.6 | | | |

| Trypsin I | Df | SS | MS | F value | Pr(>F) | |
|---|----|------------|----------|---------|---------|---|
| juvenile challenge | 2 | 31182 | 15591 | 0.6033 | 0.5506 | |
| maternal treatment | 1 | 10737 | 10737 | 0.4155 | 0.5219 | |
| juvenile challenge * maternal treatment | 2 | 40714 | 20357 | 0.7877 | 0.46 | |
| maternal treatment in famliy | 2 | 106658 | 53329 | 2.0635 | 0.1367 | |
| Residuals | 55 | 1421418 | 25844 | | | |
| Histone deacetylase | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 8.01E-07 | 4.00E-07 | 1.2218 | 0.3026 | |
| maternal treatment | 1 | 2.50E-09 | 2.51E-09 | 0.0077 | 0.9306 | |
| juvenile challenge * maternal treatment | 2 | 1.98E-07 | 9.90E-08 | 0.3021 | 0.7405 | |
| maternal treatment in famliy | 2 | 4.08E-07 | 2.04E-07 | 0.623 | 0.5401 | |
| Residuals | 55 | 1.80E-05 | 3.28E-07 | | | |
| Histone demethylase | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.82E-07 | 9.10E-08 | 3.646 | 0.03259 | * |
| maternal treatment | 1 | 2.26E-08 | 2.26E-08 | 0.9064 | 0.34525 | |
| juvenile challenge * maternal treatment | 2 | 6.15E-08 | 3.07E-08 | 1.2316 | 0.29973 | |
| maternal treatment in famliy | 2 | 1.80E-07 | 9.00E-08 | 3.6069 | 0.03374 | * |
| Residuals | 55 | 1.37E-06 | 2.49E-08 | | | |
| Hepcidin | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 11.794 | 5.897 | 3.4361 | 0.03925 | * |
| maternal treatment | 1 | 0.973 | 0.9727 | 0.5668 | 0.45476 | |
| juvenile challenge * maternal treatment | 2 | 0.734 | 0.3671 | 0.2139 | 0.80809 | |
| maternal treatment in famliy | 2 | 15.733 | 7.8667 | 4.5838 | 0.01441 | * |
| Residuals | 55 | 94.391 | 1.7162 | | | |
| Major histocompatibility complex II beta | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 2.65E-05 | 1.33E-05 | 2.5804 | 0.08489 | . |
| maternal treatment | 1 | 8.93E-07 | 8.93E-07 | 0.1738 | 0.67835 | |
| juvenile challenge * maternal treatment | 2 | 1.01E-05 | 5.04E-06 | 0.9825 | 0.38085 | |
| maternal treatment in famliy | 2 | 7.05E-06 | 3.52E-06 | 0.6861 | 0.5078 | |
| Residuals | 55 | 2.82E-04 | 5.13E-06 | | | |
| Heat shock protein 60 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 0.00001417 | 7.09E-06 | 0.9609 | 0.3889 | |
| maternal treatment | 1 | 0.0000002 | 1.99E-07 | 0.027 | 0.87 | |
| juvenile challenge * maternal treatment | 2 | 0.00000883 | 4.41E-06 | 0.5986 | 0.5531 | |
| maternal treatment in famliy | 2 | 0.00000115 | 5.75E-07 | 0.078 | 0.925 | |
| Residuals | 55 | 0.00040561 | 7.37E-06 | | | |
| Heat shock protein 70 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.20E-07 | 6.02E-08 | 1.1526 | 0.3233 | |
| maternal treatment | 1 | 3.98E-08 | 3.98E-08 | 0.7614 | 0.3867 | |
| juvenile challenge * maternal treatment | 2 | 1.33E-07 | 6.64E-08 | 1.2714 | 0.2885 | |
| maternal treatment in famliy | 2 | 1.77E-07 | 8.86E-08 | 1.6962 | 0.1928 | |
| Residuals | 55 | 2.87E-06 | 5.22E-08 | | | |
| Heat shock protein 90 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 2.171 | 1.08536 | 1.1168 | 0.3346 | |
| maternal treatment | 1 | 2.12 | 2.12009 | 2.1815 | 0.1454 | |
| juvenile challenge * maternal treatment | 2 | 1.908 | 0.95387 | 0.9815 | 0.3812 | |

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|---|----|----------|-----------|---------|-----------------|-----|
| maternal treatment in famliy | 2 | 1.224 | 0.61182 | 0.6295 | 0.5366 | |
| Residuals | 55 | 53.452 | 0.97185 | | | |
| Immunoglobulin light chain | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 2.71E-07 | 1.36E-07 | 1.6262 | 0.2059795 | |
| maternal treatment | 1 | 1.60E-06 | 1.60E-06 | 19.2101 | 5.32E-05 | *** |
| juvenile challenge * maternal treatment | 2 | 4.00E-07 | 2.00E-07 | 2.3942 | 0.1006957 | |
| maternal treatment in famliy | 2 | 1.31E-06 | 6.56E-07 | 7.8573 | 0.0009965 | *** |
| Residuals | 55 | 4.59E-06 | 8.34E-08 | | | |
| Interleukin 10 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1031 | 516 | 0.0737 | 0.929074 | |
| maternal treatment | 1 | 35458 | 35458 | 5.0665 | 0.028409 | * |
| juvenile challenge * maternal treatment | 2 | 823 | 412 | 0.0588 | 0.942952 | |
| maternal treatment in famliy | 2 | 75507 | 37754 | 5.3945 | 0.007257 | ** |
| Residuals | 55 | 384920 | 6999 | | | |
| Integrin alpha 2 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 5.96E-07 | 2.98E-07 | 3.8214 | 0.02793 | * |
| maternal treatment | 1 | 3.14E-07 | 3.14E-07 | 4.0231 | 0.04981 | * |
| juvenile challenge * maternal treatment | 2 | 3.73E-07 | 1.87E-07 | 2.3949 | 0.10063 | |
| maternal treatment in famliy | 2 | 7.17E-08 | 3.58E-08 | 0.4598 | 0.63382 | |
| Residuals | 55 | 4.29E-06 | 7.80E-08 | | | |
| Latescidin 2 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 3.977 | 1.98865 | 2.1419 | 0.1271 | |
| maternal treatment | 1 | 0.029 | 0.0294 | 0.0317 | 0.8594 | |
| juvenile challenge * maternal treatment | 2 | 0.223 | 0.11174 | 0.1204 | 0.8868 | |
| maternal treatment in famliy | 2 | 2.68 | 1.34008 | 1.4434 | 0.2449 | |
| Residuals | 55 | 51.064 | 0.92844 | | | |
| Lymphocyte cytosolic factor I | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 6.43E-07 | 3.22E-07 | 3.1745 | 0.04957 | * |
| maternal treatment | 1 | 2.00E-10 | 2.00E-10 | 0.0019 | 0.96499 | |
| juvenile challenge * maternal treatment | 2 | 6.27E-07 | 3.13E-07 | 3.0921 | 0.05338 | . |
| maternal treatment in famliy | 2 | 3.50E-07 | 1.75E-07 | 1.727 | 0.18732 | |
| Residuals | 55 | 5.57E-06 | 1.01E-07 | | | |
| Lectine | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 0.0645 | 0.03225 | 1.2568 | 0.2926 | |
| maternal treatment | 1 | 0.02084 | 0.020838 | 0.8121 | 0.3714 | |
| juvenile challenge * maternal treatment | 2 | 0.05285 | 0.026424 | 1.0298 | 0.3639 | |
| maternal treatment in famliy | 2 | 0.00569 | 0.002845 | 0.1109 | 0.8953 | |
| Residuals | 55 | 1.4113 | 0.02566 | | | |
| Lysine specific demethylase | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.51E-06 | 7.55E-07 | 4.5929 | 0.0143 | * |
| maternal treatment | 1 | 6.81E-07 | 6.81E-07 | 4.142 | 0.04666 | * |
| juvenile challenge * maternal treatment | 2 | 1.14E-06 | 5.68E-07 | 3.4515 | 0.03872 | * |
| maternal treatment in famliy | 2 | 3.88E-07 | 1.94E-07 | 1.1783 | 0.31546 | |
| Residuals | 55 | 9.05E-06 | 1.64E-07 | | | |
| Major histocompatibility complex I antigen F10 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 0.002835 | 0.0014175 | 0.5325 | 0.59013 | |

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|---|----|-----------|------------|---------|------------------|-----|
| maternal treatment | 1 | 0.009762 | 0.0097616 | 3.667 | 0.06071 | . |
| juvenile challenge * maternal treatment | 2 | 0.004441 | 0.0022203 | 0.8341 | 0.4397 | |
| maternal treatment in famliy | 2 | 0.018393 | 0.0091963 | 3.4546 | 0.03861 | * |
| Residuals | 55 | 0.146412 | 0.002662 | | | |
| Myogenic regulatory factors | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 0.0001453 | 0.00007266 | 0.869 | 0.42504 | |
| maternal treatment | 1 | 0.0003696 | 0.00036964 | 4.4208 | 0.04009 | * |
| juvenile challenge * maternal treatment | 2 | 0.0003167 | 0.00015837 | 1.894 | 0.16015 | |
| maternal treatment in famliy | 2 | 0.0001833 | 0.00009165 | 1.0961 | 0.34137 | |
| Residuals | 55 | 0.0045988 | 0.00008362 | | | |
| Opsin 1 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 0.0002315 | 1.16E-04 | 1.959 | 0.15071 | |
| maternal treatment | 1 | 0.0000022 | 2.17E-06 | 0.0367 | 0.84871 | |
| juvenile challenge * maternal treatment | 2 | 0.00002 | 1.00E-05 | 0.1696 | 0.84442 | |
| maternal treatment in famliy | 2 | 0.00029 | 1.45E-04 | 2.4547 | 0.09525 | . |
| Residuals | 55 | 0.0032494 | 5.91E-05 | | | |
| Proprotein convertase subtilisin | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 1.94E-07 | 9.72E-08 | 0.8877 | 0.4174 | |
| maternal treatment | 1 | 2.35E-07 | 2.35E-07 | 2.1443 | 0.1488 | |
| juvenile challenge * maternal treatment | 2 | 1.65E-07 | 8.25E-08 | 0.7539 | 0.4753 | |
| maternal treatment in famliy | 2 | 1.91E-07 | 9.56E-08 | 0.8733 | 0.4233 | |
| Residuals | 55 | 6.02E-06 | 1.09E-07 | | | |
| Pentraxin 4 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 24494 | 12247 | 1.31 | 0.2781153 | |
| maternal treatment | 1 | 40270 | 40270 | 4.3074 | 0.0426355 | * |
| juvenile challenge * maternal treatment | 2 | 20868 | 10434 | 1.1161 | 0.3348692 | |
| maternal treatment in famliy | 2 | 157587 | 78793 | 8.428 | 0.0006415 | *** |
| Residuals | 55 | 514193 | 9349 | | | |
| Ribosomal protein A3 | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 6.64E-06 | 3.32E-06 | 1.4962 | 0.233 | |
| maternal treatment | 1 | 8.34E-07 | 8.34E-07 | 0.3755 | 0.5426 | |
| juvenile challenge * maternal treatment | 2 | 3.27E-07 | 1.63E-07 | 0.0736 | 0.9292 | |
| maternal treatment in famliy | 2 | 2.00E-06 | 9.99E-07 | 0.4499 | 0.64 | |
| Residuals | 55 | 1.22E-04 | 2.22E-06 | | | |
| Serum amyloid A | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 0.0005022 | 0.00025112 | 2.0249 | 0.14173 | |
| maternal treatment | 1 | 0.0000798 | 0.00007978 | 0.6433 | 0.42595 | |
| juvenile challenge * maternal treatment | 2 | 0.0000617 | 0.00003086 | 0.2489 | 0.78057 | |
| maternal treatment in famliy | 2 | 0.0007723 | 0.00038613 | 3.1136 | 0.05236 | . |
| Residuals | 55 | 0.0068208 | 0.00012401 | | | |
| Tumor necrose factor beta | Df | SS | MS | F value | Pr(>F) | |
| juvenile challenge | 2 | 5.20E-08 | 2.60E-08 | 0.7422 | 0.480765 | |
| maternal treatment | 1 | 3.25E-07 | 3.25E-07 | 9.2896 | 0.003538 | ** |
| juvenile challenge * maternal treatment | 2 | 2.34E-07 | 1.17E-07 | 3.3377 | 0.042846 | * |
| maternal treatment in famliy | 2 | 7.71E-08 | 3.86E-08 | 1.1017 | 0.339511 | |
| Residuals | 55 | 1.93E-06 | 3.50E-08 | | | |