**Supplementary statistical details**

The following tables provide summaries of key statistical tests performed for this study.

**Comparing the timing of developmental events between strains**

Logistic regression



**Comparisons of dental lamina measurements**

t-test



**Comparison of outcomes of culture between strains**

Fisher’s exact test



**Comparisons of proportions of up/downregulated genes**

Chi-squared tests

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**Comparing rarity of R2 spot between upper and lower jaws**

Cross-tabulation (lower and upper sample from the same embryo)



Fisher’s exact test



**Overall variability of developmental trajectories**

Wilcoxon rank-sum test



**Comparisons of variation in adult molar length/width**

test for equality of two variances between two groups, performed in Systat.

|  |  |  |  |
| --- | --- | --- | --- |
| **comparison** | **jaw** | **n** | **p-value** |
| DUHi/FVB length variation | Upper | 30 | 0.095 |
| DUHi/FVB width variation | Upper | 30 | 0.996 |
| DUHi/FVB length variation | Lower | 30 | 0.710 |
| DUHi/FVB width variation | Lower | 30 | 0.111 |