**Table S2.** Codon-based test of neutrality, positive selection and purifying selection for the H1 histone gene partial sequence.

|  |  |  |
| --- | --- | --- |
| Hypothesis | Z | P |
| Neutrality (dN = dS) | -4.391 | <0.001 |
| Positive selection (dN > dS) | -4.184 | 1 |
| Purifying selection (dN < dS) | 4.317 | <0.001 |