

**Table S20. Number of tRNA, rRNA, and snoRNA genes in the ultraconserved region *CG15121-CG16894* with potential to mediate NAHR events**

Species (release) <sup>a</sup>	tRNA genes	rRNA genes	snoRNA
<i>D. melanogaster</i> (5.31)	9	104	1
<i>D. yakuba</i> (1.3)	10	15	1
<i>D. erecta</i> (1.3)	8	17	1
<i>D. ananassae</i> (1.3)	9	0	0
<i>D. pseudoobscura</i> (2.21)	6	0	0
<i>D. willistoni</i> (1.3)	17	0	0
<i>D. virilis</i> (1.2)	4	3	0
<i>D. mojavensis</i> (1.3)	7	0	0
<i>D. grimshawi</i> (1.3)	5	0	0

Between *CG8517* and *CG12501* [1]; pseudogenes are also included.

<sup>a</sup> Those previously examined [2] and sorted by their phylogenetic distance to *D. melanogaster*.

### Supporting References

1. Tweedie S, Ashburner M, Falls K, Leyland P, McQuilton P, et al. (2009) FlyBase: enhancing Drosophila Gene Ontology annotations. *Nucleic Acids Res* 37: D555-559.
2. von Grotthuss M, Ashburner M, Ranz JM (2010) Fragile regions and not functional constraints predominate in shaping gene organization in the genus *Drosophila*. *Genome Res* 20: 1084-1096.