

Table S3 The list of 24 *Osiris* genes in the *D. melanogaster* genome and those identified from the 11 other *Drosophila* genomes.

	<i>D. melanogaster</i>	<i>D. simulans</i>	<i>D. sechellia</i>	<i>D. yakuba</i>	<i>D. erecta</i>	<i>D. ananassae</i>
<i>Osi1</i>	CG15585	GD19841	GM10858	GE10183	GG13122	GF16371
<i>Osi2</i>	CG1148	GD19845	GM10863	GE10186	GG13136	GF16375
<i>Osi3</i>	CG1150	GD19846	GM10864	GE10187	GG13139	GF16376
<i>Osi4</i>	CG10303	GD19554	GM10564	GE24111	GG10555	GF18625
<i>Osi5</i>	CG15590	GD19847	GM10866	GE10188	GG13143	GF16377
<i>Osi6</i>	CG1151	GD19848	GM10867	GE10189	GG13147	GF16378
<i>Osi7</i>	CG1153	Dsim 7 [‡]	GM10868	GE10190	GG13151	GF16379
<i>Osi8</i>	CG15591	GD19849	GM10869	GE10191	GG13155	GF16380
<i>Osi9</i>	CG15592	GD19850	GM10870	GE10192	GG13161	GF16381
<i>Osi10</i>	CG15593*	GD19851	GM10871	GE10194	GG13170	GF16382
<i>Osi11</i>	CG15596	GD19553	GM10562	GE24110	GG10544	GF18624
<i>Osi12</i>	CG1154	GD19852	GM10872	GE10195	GG13181	GF16383
<i>Osi13</i>	CG15595	GD19856	GM10874	GE10197	GG13203	GF16385
<i>Osi14</i>	CG1155	GD19857	GM10875	GE10198	GG13215	GF16386
<i>Osi15</i>	CG1157	GD19858	GM10877	GE10199	GG13226	GF16387
<i>Osi16</i>	CG31561	GD19859	GM10879	GE10201	GG13248	GF16388
<i>Osi17</i>	CG15598	GD19854	GM10881	GE10205	GG13280	GF16390
<i>Osi18</i>	CG1169	GD19861	GM10882	GE10206	GG13291	GF16391
<i>Osi19</i>	CG15189	GD19862	GM10883	GE10207	GG13302	GF16392
<i>Osi20</i>	CG15188	GD19863	GM10884	GE10208	GG13313	GF16393
<i>Osi21</i>	CG14925	GD22180	GM11091	GE12926	GG10314	GF15124
<i>Osi22</i>	CG8644	GD18894	GM24095	GE26258	GG19544	GF17589
<i>Osi23</i>	CG15538	GD17079	GM12155	GE23387	GG11936	GF23337
<i>Osi24</i>	CG15589	GD19844	GM10862	GE10185	GG13130	GF16374

	<i>D. persimilis</i>	<i>D. pseudoobscura</i>	<i>D. willistoni</i>	<i>D. virilis</i>	<i>D. mojavensis</i>	<i>D. grimshawi</i>
<i>Osi1</i>	GL24048	GA13829	GK13029	GJ14243	GI24386	GH14014** [†]
<i>Osi2</i>	GL24055	GA11025	GK13033	GJ14247	GI24391	GH14018
<i>Osi3</i>	GL24056	GA11035	GK13034	GJ14248	GI24392	GH14019
<i>Osi4</i>	GL23480	GA10232	GK14207	GJ14490	GI23175	GH14283
<i>Osi5</i>	GL24057	GA13832	GK13035	GJ14249	GI24393	GH14020
<i>Osi6</i>	GL24058	GA26494	GK13036	GJ14250	GI24394	GH14022
<i>Osi7</i>	GL24059	GA11054	GK13037	GJ14251	GI24395	GH14023
<i>Osi8</i>	GL24060	GA13833	GK13038	GJ14253**	GI24396	GH14024
<i>Osi9</i>	GL24061	GA13834	Dwil ₉ [#]	GJ14255	GI24397	GH14025
<i>Osi10</i>	GL24062	GA13835	GK13040	GJ14257	GI24398	GH14026
<i>Osi11</i>	GL23479	GA13838	GK14206	GJ14489	GI23173	GH14282
<i>Osi12</i>	GL24063	GA11059	GK13041	GJ14258	GI24400	GH14027
<i>Osi13</i>	GL24066	GA13837	GK13043	GJ14260	GI24402	GH14029
<i>Osi14</i>	GL24067	GA11061	GK13044	GJ14261	GI24403	GH14030
<i>Osi15</i>	GL24068	GA11070	GK13045	GJ14262	GI24404	GH14031
<i>Osi16</i>	GL24070	GA16326	GK13048	GJ14264	GI24405	GH14033
<i>Osi17</i>	GL24071	GA26496	GK13049	GJ14266	GI24407	GH14034**
<i>Osi18</i>	GL24072	GA11143	GK13051	GJ14267	GI24408	GH14035
<i>Osi19</i>	GL24073	GA13557	GK13052	GJ14268	GI24409	GH14036
<i>Osi20</i>	GL24074	GA13556	GK13053	GJ14269	GI24411	GH14037
<i>Osi21</i>	GL18575	GA13356	GK21104	GJ14913	GI18143	GH13529
<i>Osi22</i>	GL24463	GA21234	GK13933	GJ10414	GI24328	GH18427
<i>Osi23</i>	GL14048	GA13796	GK13129	GJ22762	GI22761	GH17432
<i>Osi24</i>	GL24053	GA13830	GK13032	GJ14246	GI24390	GH14017

**Osi10* has two alternative transcripts. For our alignment and phylogenetic analysis, *Osi10*-PA (CG15593-PA) protein sequence was used.

**The annotations for these genes are corrected in this study. See Supplementary Table S2 for details.

[†] These genes are not annotated as *Osiris* orthologs in Flybase.

[‡] *D. simulans Osi7* is not annotated in FlyBase, but the gene is identified in the genome (3R:2090001..2094500).

[#] *D. willistoni Osi9* is not annotated in FlyBase, but the gene is identified in the initial region of GK13040.