

**Table S3**

<b>Protein</b>	<b>Complex</b>	<b>Methionines <i>D. melanogaster</i></b>	<b>Methionines <i>H. sapiens</i></b>
<b>ND1</b>	<b>Complex I</b>	<b>13 / 312 (4.17%)</b>	<b>16 / 318 (5.03%)</b>
<b>ND2</b>	<b>Complex I</b>	<b>32 / 341 (9.38%)</b>	<b>24 / 346 (6.94%)</b>
<b>ND3</b>	<b>Complex I</b>	<b>6 / 117 (5.13%)</b>	<b>8 / 115 (6.96%)</b>
<b>ND4</b>	<b>Complex I</b>	<b>33 / 446 (7.40%)</b>	<b>27 / 459 (5.88%)</b>
<b>ND4L</b>	<b>Complex I</b>	<b>11 / 96 (11.46%)</b>	<b>10 / 98 (10.20%)</b>
<b>ND5</b>	<b>Complex I</b>	<b>51 / 574 (8.89%)</b>	<b>26 / 603 (4.31%)</b>
<b>ND6</b>	<b>Complex I</b>	<b>16 / 174 (9.20%)</b>	<b>10 / 174 (5.75%)</b>
<b>CytB</b>	<b>Complex III</b>	<b>12 / 378 (3.17%)</b>	<b>15 / 380 (3.95%)</b>
<b>Cox1</b>	<b>Complex IV</b>	<b>23 / 511 (4.50%)</b>	<b>32 / 513 (6.24%)</b>
<b>Cox2</b>	<b>Complex IV</b>	<b>10 / 228 (4.39%)</b>	<b>10 / 227 (4.41%)</b>
<b>Cox3</b>	<b>Complex IV</b>	<b>7 / 262 (2.67%)</b>	<b>11 / 261 (4.21%)</b>
<b>ATP6</b>	<b>Complex V</b>	<b>16 / 224 (7.14%)</b>	<b>12 / 226 (5.31%)</b>
<b>ATP8</b>	<b>Complex V</b>	<b>4 / 53 (7.55%)</b>	<b>6 / 68 (8.82%)</b>