

**Table S1. Respiration Rates of Isolated Mitochondria from Control and *Aats-met* Mutant Larvae**

	Glutamate+Malate <sup>a</sup>									Succinate <sup>a</sup>								
	III <sup>b</sup>			IV <sup>c</sup>			UC <sup>d</sup>			III			IV			UC		
Genotype	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
<b>Control</b>	<b>56.95</b>	<b>21.00</b>	<b>6</b>	<b>27.80</b>	<b>11.02</b>	<b>6</b>	<b>62.76</b>	<b>23.62</b>	<b>6</b>	<b>62.84</b>	<b>15.72</b>	<b>6</b>	<b>27.61</b>	<b>7.42</b>	<b>6</b>	<b>76.19</b>	<b>30.35</b>	<b>6</b>
<i>HV/Def</i>	<b>52.76</b>	<b>20.63</b>	<b>6</b>	<b>27.78</b>	<b>9.20</b>	<b>6</b>	<b>39.50</b>	<b>19.15</b>	<b>6</b>	<b>89.74</b>	<b>36.31</b>	<b>6</b>	<b>36.95</b>	<b>9.79</b>	<b>6</b>	<b>75.82</b>	<b>32.77</b>	<b>6</b>
<i>FB/Def</i>	<b>50.25</b>	<b>15.55</b>	<b>6</b>	<b>33.59</b>	<b>10.36</b>	<b>6</b>	<b>36.95</b>	<b>17.63</b>	<b>6</b>	<b>127.87</b>	<b>58.05</b>	<b>6</b>	<b>56.25</b>	<b>22.90</b>	<b>6</b>	<b>112.25</b>	<b>46.04</b>	<b>6</b>

<sup>a</sup>Respiration rates expressed as ng atomic O/min/mg mitochondrial protein

<sup>b</sup>III = State III (ADP-stimulated) respiration

<sup>c</sup>IV = State IV (ADP-independent) respiration

<sup>d</sup>UC = Uncoupled respiration