

Table 1-1

| Raw mRNA values in control and edem1Ri larvae | | |
|---|----------------------------------|-------------------------|
| tota | <i>pplG4>w¹¹¹⁸</i> | <i>pplG4>edem1Ri</i> |
| Set 1 | 0.4988729778620 | 0.7641087740020 |
| Set 2 | 1.2904496980252 | 0.2334426212607 |
| Set 3 | 0.5510052040486 | 0.2536519655939 |
| Set 4 | 0.7801092933119 | 1.1948700012871 |
| Set 5 | 2.0179321122889 | 0.3650443427124 |
| Set 6 | 0.8616307144630 | 0.3966465701844 |
| | | |
| <i>upd2</i> | | |
| Set 1 | 0.9663391850539 | 0.3401513931389 |
| Set 2 | 0.9663391850539 | 0.3872604284103 |
| Set 3 | 1.0673216298921 | 0.4119793847640 |

Raw CTCF values in control and edem1Ri larvae

| | <i>pplG4>w¹¹¹⁸</i> | <i>pplG4>edem1Ri</i> | |
|--------|----------------------------------|-------------------------|--|
| Set 1 | 43.968334869527 | 24.887131989468 | |
| Set 2 | 173.74298361667 | 56.040871345709 | |
| Set 3 | 91.910064942378 | 113.72123211883 | |
| Set 4 | 105.17160496636 | 148.71017193344 | |
| Set 5 | 36.995263173779 | 37.773326916789 | |
| Set 6 | 61.320160521092 | 39.085502549589 | |
| Set 7 | 84.143370529623 | 45.915058950905 | |
| Set 8 | 131.39163614290 | 35.403877632645 | |
| Set 9 | 15.922754858309 | 37.016927865130 | |
| Set 10 | 95.906017277230 | 39.684834056676 | |
| Set 11 | 76.551997156409 | 33.721312339698 | |
| Set 12 | 77.628845240798 | 34.659639856480 | |
| Set 13 | 188.60251411047 | 37.676885430629 | |
| Set 14 | 97.044318694739 | 42.435181927338 | |
| Set 15 | 110.70338336547 | 41.785923160979 | |
| Set 16 | 131.33725710181 | 54.164930113215 | |
| Set 17 | 177.65949343241 | | |

Table 1-1

| Raw triglyceride/protein ratio of 5-day old adult control, edem1Ri, upd2 and edem1Ri; upd2 males | | | | |
|--|----------------------------------|-------------------------|----------------------|----------------------------------|
| | <i>pplG4>w¹¹¹⁸</i> | <i>pplG4>edem1Ri</i> | <i>pplG4>upd2</i> | <i>pplG4>edemRi; upd2</i> |
| Set 1 | 100 | 149.95149595440 | 167.38608832513 | 112.31496218785 |
| Set 2 | 79.685283027064 | 148.80742211147 | 185.25576713862 | 77.141484836070 |
| Set 3 | 110.83253897727 | 116.22155800564 | 173.58211579902 | 70.964965960162 |
| Set 4 | 110.43814016592 | 137.09579331770 | 186.09737213259 | 103.20838760218 |

Raw mRNA values in control, edem1Ri, edem1Ri; upd2 larvae

| <i>4ebp</i> | <i>pplG4>w¹¹¹⁸</i> | <i>pplG4>edem1Ri</i> | <i>pplG4>edemRi; upd2</i> |
|--------------|----------------------------------|-------------------------|----------------------------------|
| Set 1 | 1.32594 | 1.8376 | 1.28928 |
| Set 2 | 1.62905 | 2.19207 | 1.8376 |
| Set 3 | 0.78026 | 1.84663 | 1.72086 |
| Set 4 | 0.26475 | 2.0711 | 0.29117 |
| <i>dilp3</i> | | | |
| Set 1 | 0.941 | 0.44783 | 0.71742 |
| Set 2 | 0.94708 | 0.44799 | 0.78859 |
| Set 3 | 1.19807 | 0.78736 | 1.09422 |
| Set 4 | 1.12526 | 0.59873 | 0.60666 |
| Set 5 | 0.78859 | 0.1284 | 0.09768 |
| <i>inr</i> | | | |
| Set 1 | 1.23503 | 2.96071 | 2.86211 |
| Set 2 | 0.8544 | 2.74751 | 1.89048 |
| Set 3 | 0.91057 | 2.55362 | 2.31225 |

Raw triglyceride/Protein ratio of 5-day old control, edem1Ri, dilp6Ri and edem1Ri; dilp6Ri males

| | <i>pplG4>w¹¹¹⁸</i> | <i>pplG4>edem1Ri</i> | <i>pplG4>dilp6Ri</i> | <i>pplG4>edem1Ri; dilp6Ri</i> | |
|--------------|----------------------------------|-------------------------|-------------------------|----------------------------------|--|
| Set 1 | 103.10698122432 | 153.40627093632 | 168.17986158806 | 238.357890292193 | |
| Set 2 | 90.211392390430 | 153.77759561012 | 161.48560653003 | 194.91960420949 | |
| Set 3 | 93.870139001591 | 156.18181423565 | 167.58983607520 | 171.464190589528 | |

Percentage values of flies surviving after starvation of 5-day old adult control, edem1Ri, dilp6Ri and edem1Ri; dilp6Ri males

| | <i>pplG4>w¹¹¹⁸</i> | <i>pplG4>edem1Ri</i> | <i>pplG4>dilp6Ri</i> | <i>pplG4>edem1Ri; dilp6Ri</i> | |
|----|----------------------------------|-------------------------|-------------------------|----------------------------------|--|
| 0 | 100 | 100 | 100 | 100 | |
| 2 | 100 | 100 | 100 | 100 | |
| 4 | 100 | 100 | 100 | 100 | |
| 6 | 100 | 100 | 100 | 100 | |
| 8 | 100 | 100 | 100 | 100 | |
| 10 | 100 | 100 | 100 | 100 | |
| 12 | 100 | 100 | 100 | 100 | |
| 14 | 100 | 100 | 100 | 100 | |
| 16 | 100 | 100 | 100 | 100 | |
| 18 | 99.130434782608 | 100 | 100 | 98.8636363636364 | |
| 20 | 99.130434782608 | 100 | 100 | 96.5909090909091 | |
| 22 | 99.130434782608 | 100 | 100 | 95.4545454545455 | |
| 24 | 94.782608695652 | 100 | 100 | 95.4545454545455 | |
| 26 | 93.043478260869 | 100 | 100 | 95.4545454545455 | |
| 28 | 92.173913043478 | 100 | 100 | 94.3181818181818 | |
| 30 | 87.826086956521 | 100 | 100 | 94.3181818181818 | |
| 32 | 73.913043478260 | 98.550724637681 | 100 | 90.9090909090909 | |
| 34 | 55.652173913043 | 94.202898550724 | 95.5555555555555 | 85.2272727272727 | |
| 36 | 34.782608695652 | 85.507246376811 | 95.5555555555555 | 72.7272727272727 | |
| 38 | 23.478260869565 | 74.637681159420 | 93.3333333333333 | 57.9545454545455 | |
| 40 | 11.304347826087 | 57.971014492753 | 91.1111111111111 | 40.9090909090909 | |
| 42 | 6.9565217391304 | 44.927536231884 | 86.6666666666666 | 26.1363636363636 | |
| 44 | 6.0869565217391 | 35.507246376811 | 77.7777777777777 | 18.1818181818182 | |
| 46 | 4.3478260869565 | 34.057971014492 | 75.5555555555555 | 14.7727272727273 | |
| 48 | 3.4782608695652 | 28.985507246376 | 68.8888888888888 | 13.6363636363636 | |
| 50 | 2.6086956521739 | 23.913043478260 | 66.6666666666666 | 12.5 | |
| 52 | 0 | 20.289855072463 | 64.4444444444444 | 12.5 | |
| 54 | | 19.565217391304 | 64.4444444444444 | 12.5 | |
| 56 | | 17.391304347826 | 64.4444444444444 | 12.5 | |
| 58 | | 14.492753623188 | 62.2222222222222 | 11.3636363636364 | |
| 60 | | 10.869565217391 | 62.2222222222222 | 9.09090909090909 | |
| 62 | | 9.4202898550724 | 53.3333333333333 | 6.81818181818182 | |
| 64 | | 8.6956521739130 | 40 | 5.68181818181818 | |
| 66 | | 7.9710144927536 | 35.5555555555555 | 4.54545454545455 | |
| 68 | | 5.7971014492753 | 24.4444444444444 | 1.13636363636364 | |
| 70 | | 2.1739130434782 | 13.3333333333333 | 0 | |
| 72 | | 0 | 13.3333333333333 | | |
| 74 | | | 8.88888888888888 | | |
| 76 | | | 4.44444444444444 | | |
| 78 | | | 2.22222222222222 | | |
| 80 | | | 0 | | |