|  |  |
| --- | --- |
| **6. GLUT4 contents in membranes of the muscles** |  |
|  |  |
|  |  |  |  |  |  |  |

Fig. 5A



6.1. **GLUT4 contents in plasma membranes**

**6.1.1. Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 10.46 | 4.13 | 3.63 | 11.01 | 7.26 |
| 8.57 | 5.65 | 4.65 | 9.86 | 6.54 |
| 9.64 | 4.92 | 3.92 | 10.94 | 6.93 |
| 9.51 | 6.06 | 4.68 | 10.32 | 8.25 |
| 8.91 | 6.11 | 3.86 | 9.78 | 7.06 |
| 9.46 | 5.76 | 3.76 | 9.64 | 7.14 |
| 10.26 | 7.17 | 4.17 | 9.21 | 6.58 |
| 9.34 | 6.43 | 4.23 | 11.17 | 7.46 |
|  |  |  |  |  |
| **9.51875** | **5.77875** | **4.1125** | **10.24125** | **7.1525** |

|  |  |  |  |
| --- | --- | --- | --- |
| **6.1.2. Statistical analysis** |  |  |  |
| (I) VAR00001 | (J) VAR00001 | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| 1 | 2 | 3.74000\* | .33452 | .000 | 2.7782 | 4.7018 |
| 3 | 5.40625\* | .33452 | .000 | 4.4445 | 6.3680 |
| 4 | -.72250 | .33452 | .219 | -1.6843 | .2393 |
| 5 | 2.36625\* | .33452 | .000 | 1.4045 | 3.3280 |
| 2 | 1 | -3.74000\* | .33452 | .000 | -4.7018 | -2.7782 |
| 3 | 1.66625\* | .33452 | .000 | .7045 | 2.6280 |
| 4 | -4.46250\* | .33452 | .000 | -5.4243 | -3.5007 |
| 5 | -1.37375\* | .33452 | .002 | -2.3355 | -.4120 |
| 3 | 1 | -5.40625\* | .33452 | .000 | -6.3680 | -4.4445 |
| 2 | -1.66625\* | .33452 | .000 | -2.6280 | -.7045 |
| 4 | -6.12875\* | .33452 | .000 | -7.0905 | -5.1670 |
| 5 | -3.04000\* | .33452 | .000 | -4.0018 | -2.0782 |
| 4 | 1 | .72250 | .33452 | .219 | -.2393 | 1.6843 |
| 2 | 4.46250\* | .33452 | .000 | 3.5007 | 5.4243 |
| 3 | 6.12875\* | .33452 | .000 | 5.1670 | 7.0905 |
| 5 | 3.08875\* | .33452 | .000 | 2.1270 | 4.0505 |
| 5 | 1 | -2.36625\* | .33452 | .000 | -3.3280 | -1.4045 |
| 2 | 1.37375\* | .33452 | .002 | .4120 | 2.3355 |
| 3 | 3.04000\* | .33452 | .000 | 2.0782 | 4.0018 |
| 4 | -3.08875\* | .33452 | .000 | -4.0505 | -2.1270 |

6.2. **GLUT4 contents in total cell membranes**

**6.2.1. Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 54.32 | 38.59 | 37.25 | 44.83 | 40.83 |
| 54.89 | 40.94 | 36.33 | 41.23 | 40.23 |
| 50.22 | 41.01 | 38.62 | 42.42 | 39.42 |
| 49.67 | 42.28 | 37.94 | 44.84 | 41.84 |
| 48.67 | 43.61 | 36.85 | 44.25 | 39.25 |
| 50.34 | 41.94 | 37.18 | 45.27 | 41.27 |
| 52.49 | 35.62 | 36.79 | 42.89 | 39.49 |
| 56.33 | 39.67 | 37.91 | 44.61 | 41.61 |
|  |  |  |  |  |
| **52.11625** | **40.4575** | **37.35875** | **43.7925** | **40.4925** |

**6.2.2. Statistical analysis**

|  (I) VAR00001 | (J) VAR00001 | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
| --- | --- | --- | --- | --- | --- |
| Lower Bound | Upper Bound |
| 1 | 2 | 116.58750\* | 9.49431 | .000 | 89.2908 | 143.8842 |
| 3 | 147.57500\* | 9.49431 | .000 | 120.2783 | 174.8717 |
| 4 | 85.73750\* | 9.49431 | .000 | 58.4408 | 113.0342 |
| 5 | 116.23750\* | 9.49431 | .000 | 88.9408 | 143.5342 |
| 2 | 1 | -116.58750\* | 9.49431 | .000 | -143.8842 | -89.2908 |
| 3 | 30.98750\* | 9.49431 | .019 | 3.6908 | 58.2842 |
| 4 | -30.85000\* | 9.49431 | .020 | -58.1467 | -3.5533 |
| 5 | -.35000 | 9.49431 | 1.000 | -27.6467 | 26.9467 |
| 3 | 1 | -147.57500\* | 9.49431 | .000 | -174.8717 | -120.2783 |
| 2 | -30.98750\* | 9.49431 | .019 | -58.2842 | -3.6908 |
| 4 | -61.83750\* | 9.49431 | .000 | -89.1342 | -34.5408 |
| 5 | -31.33750\* | 9.49431 | .018 | -58.6342 | -4.0408 |
| 4 | 1 | -85.73750\* | 9.49431 | .000 | -113.0342 | -58.4408 |
| 2 | 30.85000\* | 9.49431 | .020 | 3.5533 | 58.1467 |
| 3 | 61.83750\* | 9.49431 | .000 | 34.5408 | 89.1342 |
| 5 | 30.50000\* | 9.49431 | .022 | 3.2033 | 57.7967 |
| 5 | 1 | -116.23750\* | 9.49431 | .000 | -143.5342 | -88.9408 |
| 2 | .35000 | 9.49431 | 1.000 | -26.9467 | 27.6467 |
| 3 | 31.33750\* | 9.49431 | .018 | 4.0408 | 58.6342 |
| 4 | -30.50000\* | 9.49431 | .022 | -57.7967 | -3.2033 |
|  |  |

**6.3. GLUT4 contents in plasma membranes to total cell membranes**

Fig. 5B

**6.3.1. Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 20.5 | 14.6 | 9.4 | 23.5 | 17.6 |
| 15.9 | 12.3 | 10.6 | 21.9 | 18.9 |
| 19.7 | 15.1 | 11.8 | 23.4 | 19.1 |
| 16.4 | 14.2 | 12.5 | 23.3 | 18.4 |
| 18.5 | 15.8 | 14.3 | 24.6 | 16.6 |
| 16.6 | 12.6 | 10.2 | 23.7 | 15.4 |
| 17.4 | 13.3 | 11.6 | 24.1 | 17.8 |
| 21.1 | 16.4 | 8.7 | 22.5 | 17.4 |
|  |  |  |  |  |
| **6.3.2. Statistical analysis** |  |  |  |  |
|  |  |  |  |  |
| (I) VAR00001 | (J) VAR00001 | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| 1 | 2 | 4.10000\* | .74350 | .000 | 1.9624 | 6.2376 |
| 3 | 7.25000\* | .74350 | .000 | 5.1124 | 9.3876 |
| 4 | -4.98750\* | .74350 | .000 | -7.1251 | -2.8499 |
| 5 | .73750 | .74350 | .857 | -1.4001 | 2.8751 |
| 2 | 1 | -4.10000\* | .74350 | .000 | -6.2376 | -1.9624 |
| 3 | 3.15000\* | .74350 | .001 | 1.0124 | 5.2876 |
| 4 | -9.08750\* | .74350 | .000 | -11.2251 | -6.9499 |
| 5 | -3.36250\* | .74350 | .001 | -5.5001 | -1.2249 |
| 3 | 1 | -7.25000\* | .74350 | .000 | -9.3876 | -5.1124 |
| 2 | -3.15000\* | .74350 | .001 | -5.2876 | -1.0124 |
| 4 | -12.23750\* | .74350 | .000 | -14.3751 | -10.0999 |
| 5 | -6.51250\* | .74350 | .000 | -8.6501 | -4.3749 |
| 4 | 1 | 4.98750\* | .74350 | .000 | 2.8499 | 7.1251 |
| 2 | 9.08750\* | .74350 | .000 | 6.9499 | 11.2251 |
| 3 | 12.23750\* | .74350 | .000 | 10.0999 | 14.3751 |
| 5 | 5.72500\* | .74350 | .000 | 3.5874 | 7.8626 |
| 5 | 1 | -.73750 | .74350 | .857 | -2.8751 | 1.4001 |
| 2 | 3.36250\* | .74350 | .001 | 1.2249 | 5.5001 |
| 3 | 6.51250\* | .74350 | .000 | 4.3749 | 8.6501 |
| 4 | -5.72500\* | .74350 | .000 | -7.8626 | -3.5874 |