**Tables**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Amino acid | (x10-5) | (x10-4) | (x10-2) | (x10-2) |  | *r*2 |
| R | 0.60 | -1.22 | -0.44 | 9.78 | 0.79 | 0.98 |
| K | -0.16 | -1.18 | 0.00 | 9.81 | 1.51 | 0.94 |
| D | -0.29 | -1.82 | 0.22 | 3.67 | 1.54 | 0.81 |
| E | -0.11 | 0.05 | -0.02 | -0.44 | 1.83 | 0.17 |
| H | -0.04 | 2.11 | -0.31 | -2.89 | 1.85 | 0.89 |
| N | 0.37 | -0.20 | -0.24 | -1.25 | 1.28 | 0.75 |
| Q | -0.21 | 1.29 | 0.17 | -2.41 | 0.97 | 0.43 |
| S | -0.15 | 0.89 | 0.12 | -1.64 | 0.09 | 0.62 |
| T | 0.14 | -0.19 | -0.13 | 2.76 | 0.83 | 0.79 |
| P | -0.14 | 0.71 | -0.11 | -1.64 | 1.87 | 0.72 |
| C | -1.16 | -1.06 | 0.80 | 0.09 | -0.12 | 0.94 |
| G | 0.37 | 0.10 | -0.47 | 0.23 | 1.58 | 0.88 |
| A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ------ |
| V | -0.62 | -0.13 | 0.30 | -1.42 | -0.60 | 0.68 |
| I | -0.97 | -0.72 | 0.63 | 2.03 | -1.57 | 0.86 |
| L | -1.78 | 0.74 | 0.87 | -5.08 | -1.92 | 0.89 |
| M | -1.12 | 0.08 | 0.64 | -2.81 | -0.80 | 0.86 |
| F | -1.54 | -1.14 | 1.10 | 3.44 | -1.63 | 0.92 |
| Y | -0.80 | 1.87 | 0.33 | -5.68 | 0.84 | 0.82 |
| W | -0.65 | 1.20 | 0.49 | -4.86 | -0.35 | 0.81 |