**DNA KMERS (sigma=10000, gammaY=0.1, lambda=0.01)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Length | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Number 1 | 3.98 | 3.39 | 2.62 | 1.17 | 1.26 | 0.87 | 0.78 |
| Top 3 | 7.47 | 6.79 | 5.24 | 3.78 | 3.10 | 2.52 | 2.13 |
| Top 5 | 9.51 | 8.53 | 7.57 | 5.53 | 4.36 | 3.49 | 2.81 |
| Top 10 | 15.71 | 12.22 | 12.42 | 10.09 | 7.86 | 7.27 | 5.82 |
| Top 25 | 28.77 | 24.63 | 23.57 | 19.69 | 18.82 | 16.78 | 15.03 |

**AMINOACID KMERS (sigma=10000, gammaY=0.1, lambda=0.01)**

|  |  |  |  |
| --- | --- | --- | --- |
| Length | 2 | 3 | 4 |
| Number 1 | 1.94 | 1.07 | 0.97 |
| Top 3 | 4.27 | 2.72 | 1.94 |
| Top 5 | 6.21 | 4.85 | 2.91 |
| Top 10 | 11.45 | 8.44 | 7.28 |
| Top 25 | 22.99 | 18.04 | 16.99 |