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Property Ala Asp Cys Glu Phe Gly His Ile Lys Leu Met Asn Pro Gln Arg Ser Thr Val Trp Tyr

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1 K0 -25.50 -33.12 -32.82 -36.17 -34.54 -27.00 -31.84 -31.78 -32.40 -31.78 -31.18 -30.90 -23.25 -32.60 -26.62 -29.88 -31.23 -30.62 -30.24 -35.01

2 Ht 0.87 0.66 1.52 0.67 2.87 0.10 0.87 3.15 1.64 2.17 1.67 0.09 2.77 0.00 0.85 0.07 0.07 1.87 3.77 2.67

3 Hp 13.05 11.10 14.30 11.41 13.89 12.20 12.42 15.34 11.01 14.19 13.62 11.72 11.06 11.78 12.40 11.68 12.12 14.73 13.96 13.57

4 P 0.00 49.70 1.48 49.90 0.35 0.00 51.60 0.10 49.50 0.13 1.43 3.38 1.58 3.53 52.00 1.67 1.66 0.13 2.10 1.61

5 pHi 6.00 2.77 5.05 5.22 5.48 5.97 7.59 6.02 9.74 5.98 5.74 5.41 6.30 5.65 10.76 5.68 5.66 5.96 5.89 5.66

6 pK' 2.34 2.01 1.65 2.19 1.89 2.34 1.82 1.36 2.18 2.36 2.28 2.02 1.99 2.17 1.81 2.21 2.10 2.32 2.38 2.20

7 Mw 89.00 133.00 121.00 147.00 165.00 75.00 155.00 131.00 146.00 131.00 149.00 132.00 115.00 146.00 174.00 105.00 119.00 117.00 204.00 181.00

8 Bl 11.50 11.68 13.46 13.57 19.80 3.40 13.67 21.40 15.71 21.40 16.25 12.82 17.43 14.45 14.28 9.47 15.77 21.57 21.61 18.03

9 Rf 9.90 2.80 2.80 3.20 18.80 5.60 8.20 17.10 3.50 17.60 14.70 5.40 14.80 9.00 4.60 6.90 9.50 14.30 17.00 15.00

10 Mu 14.34 12.00 35.77 17.26 29.40 0.00 21.81 19.06 21.29 18.78 21.64 13.28 10.93 17.56 26.66 6.35 11.01 13.92 42.53 31.55

11 Hnc 0.62 0.90 0.29 -0.74 1.19 0.48 -0.40 1.38 -1.50 1.06 0.64 -0.78 0.12 -0.85 -2.53 -0.18 -0.05 1.08 0.81 0.26

12 Esm 1.40 1.16 1.37 1.16 1.14 1.36 1.22 1.19 1.07 1.32 1.30 1.18 1.24 1.12 0.92 1.30 1.25 1.25 1.03 1.03

13 El 0.49 0.35 0.67 0.37 0.72 0.53 0.54 0.76 0.30 0.65 0.65 0.38 0.46 0.40 0.55 0.45 0.52 0.73 0.83 0.65

14 Et 1.90 1.52 2.04 1.54 1.86 1.90 1.76 1.95 1.37 1.97 1.96 1.56 1.70 1.52 1.48 1.75 1.77 1.98 1.87 1.69

15 Pa 1.42 1.01 0.70 1.51 1.13 0.57 1.00 1.08 1.16 1.21 1.45 0.67 0.57 1.11 0.98 0.77 0.83 1.06 1.08 0.69

16 Pb 0.83 0.54 1.19 0.37 1.38 0.75 0.87 1.60 0.74 1.30 1.05 0.89 0.55 1.10 0.93 0.75 1.19 1.70 1.37 1.47

17 Pt 0.66 1.46 1.19 0.74 0.60 1.56 0.95 0.47 1.01 0.59 0.60 1.56 1.52 0.98 0.95 1.43 0.96 0.50 0.96 1.14

18 Pc 0.71 1.21 1.19 0.84 0.71 1.52 1.07 0.66 0.99 0.69 0.59 1.37 1.61 0.87 1.07 1.34 1.08 0.63 0.76 1.07

19 Ca 20.00 26.00 25.00 33.00 46.00 13.00 37.00 39.00 46.00 35.00 43.00 28.00 22.00 36.00 55.00 20.00 28.00 33.00 61.00 46.00

20 F 0.96 1.14 0.87 1.07 0.69 1.16 0.80 0.76 1.14 0.79 0.78 1.04 1.16 1.07 1.05 1.13 0.96 0.79 0.77 1.01

21 Br 0.38 0.14 0.57 0.09 0.51 0.38 0.31 0.56 0.04 0.50 0.42 0.15 0.18 0.11 0.07 0.23 0.23 0.48 0.40 0.26

22 Ra 3.70 2.60 3.03 3.30 6.60 3.13 3.57 7.69 1.79 5.88 5.21 2.12 2.12 2.70 2.53 2.43 2.60 7.14 6.25 3.03

23 Ns 6.05 4.95 7.86 5.10 6.62 6.16 5.80 7.51 4.88 7.37 6.39 5.04 5.65 5.45 5.70 5.53 5.81 7.62 6.98 6.73

24 aN 1.59 0.53 0.33 1.45 1.14 0.53 0.89 1.22 1.13 1.91 1.25 0.53 0.00 0.98 0.67 0.70 0.75 1.42 1.33 0.58

25 aC 1.44 2.13 0.76 2.01 1.01 0.62 0.56 0.68 0.59 0.58 0.73 0.93 2.19 1.20 0.39 0.81 1.25 0.63 1.40 0.72

26 aM 1.22 0.56 1.53 1.28 1.13 0.40 2.23 0.77 1.65 1.05 1.47 0.93 0.00 1.63 1.59 0.87 0.46 1.20 0.46 0.52

27 V0 60.46 73.83 67.70 85.88 121.48 43.25 98.79 107.72 108.50 107.75 105.35 78.01 82.83 93.90 127.34 60.62 76.83 90.78 143.91 123.60

28 Nm 2.11 1.80 1.88 2.09 1.98 1.53 1.98 1.77 1.96 2.19 2.27 1.84 1.32 2.03 1.94 1.57 1.57 1.63 1.90 1.67

29 Nl 3.92 2.85 5.55 2.72 4.53 4.31 3.77 5.58 2.79 4.59 4.14 3.64 3.57 3.06 3.78 3.75 4.09 5.43 4.83 4.93

30 Hgm 13.85 11.61 15.37 11.38 13.93 13.34 13.82 15.28 11.58 14.13 13.86 13.02 12.35 12.61 13.10 13.39 12.70 14.56 15.48 13.88

31 ASAD 104.00 132.20 132.50 161.90 182.00 73.40 165.80 171.50 195.20 161.40 189.80 134.90 135.10 164.90 210.20 111.40 130.40 143.90 208.80 196.40

32 ASAN 33.20 62.40 17.90 81.00 33.10 29.20 57.70 28.30 107.50 31.10 41.30 60.50 60.70 71.50 94.50 48.70 52.00 28.10 39.50 50.40

33 dASA 70.90 69.60 114.30 80.50 148.40 44.00 107.90 142.70 87.50 129.80 147.90 74.00 73.50 93.30 116.00 62.80 78.00 115.60 167.80 145.90

34 dGh -0.54 -2.97 -1.64 -3.71 -1.06 -0.59 -3.38 0.32 -2.19 0.27 -0.60 -3.55 0.32 -3.92 -5.96 -3.82 -1.97 0.13 -3.80 -5.64

35 GhD -0.58 -6.10 -1.91 -7.37 -1.35 -0.82 -5.57 0.40 -5.97 0.35 -0.71 -6.63 0.56 -7.12 -12.78 -6.18 -3.66 0.18 -4.71 -8.45

36 GhN -0.06 -3.11 -0.27 -3.62 -0.28 -0.23 -2.18 0.07 -1.70 0.07 -0.10 -3.03 0.23 -3.15 -6.85 -2.36 -1.69 0.04 -0.88 -2.82

37 dHh -2.24 -4.54 -3.43 -5.63 -5.11 -1.46 -6.83 -3.84 -5.02 -3.52 -4.16 -5.68 -1.95 -6.23 -10.43 -5.94 -4.39 -3.15 -8.99 -10.67

38 -TdSh 1.70 1.57 1.79 1.92 4.05 0.87 3.45 4.16 2.83 3.79 3.56 2.13 2.27 2.31 4.47 2.12 2.42 3.28 5.19 5.03

39 dCph 14.22 2.73 9.41 3.17 39.06 4.88 20.05 41.98 17.68 38.26 31.67 3.91 23.69 3.74 16.66 6.14 16.11 32.58 37.69 30.54

40 dGc 0.51 2.89 2.71 3.58 3.22 0.68 3.95 -0.40 1.87 -0.35 1.13 3.26 -0.39 3.69 5.25 3.42 1.74 -0.19 5.59 6.56

41 dHc 2.77 4.72 8.64 5.69 11.93 1.23 7.64 4.03 3.57 3.69 7.06 3.64 1.97 4.47 6.03 5.80 4.42 3.45 13.46 14.41

42 -TdSc -2.25 -1.83 -5.92 -2.11 -8.71 -0.55 -3.69 -4.42 -1.70 -4.04 -5.93 -0.39 -2.36 -0.78 -0.78 -2.38 -2.68 -3.64 -7.87 -7.95

43 dG -0.02 -0.08 1.08 -0.13 2.16 0.09 0.56 -0.08 -0.32 -0.08 0.53 -0.30 -0.06 -0.23 -0.71 -0.40 -0.24 -0.06 1.78 0.91

44 dH 0.51 0.18 5.21 0.05 6.82 -0.23 0.79 0.19 -1.45 0.17 2.89 -2.03 0.02 -1.76 -4.40 -0.16 0.04 0.30 4.47 3.73

45 -TdS -0.54 -0.26 -4.14 -0.19 -4.66 0.31 -0.23 -0.27 1.13 -0.24 -2.36 1.74 -0.08 1.53 3.69 -0.24 -0.28 -0.36 -2.69 -2.82

46 v 1.00 4.00 2.00 5.00 7.00 0.00 6.00 4.00 5.00 4.00 4.00 4.00 3.00 5.00 7.00 2.00 3.00 3.00 10.00 8.00

47 s 0.00 2.00 0.00 3.00 2.00 0.00 2.00 1.00 0.00 2.00 0.00 2.00 0.00 3.00 5.00 0.00 1.00 1.00 2.00 2.00

48 f 0.00 2.00 1.00 3.00 2.00 0.00 2.00 2.00 4.00 2.00 3.00 2.00 0.00 3.00 5.00 1.00 1.00 1.00 2.00 2.00

49 Pf-s 0.65 2.60 0.95 0.80 0.55 3.55 2.80 0.05 1.70 0.35 0.55 5.25 0.00 1.40 1.45 1.10 0.05 0.10 0.65 0.95

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