1 : 5.000

2 S 3.008

3 L 4.000

4 S 4.000

5 D 1.149

6 K 1.157

7 D 6.000

8 K 5.000

9 A 1.868

10 A 4.661

11 V 3.603

12 R 4.504

13 A 1.909

14 L 1.521

15 W 9.306

16 S 2.264

17 K 5.000

18 I 3.504

19 G 4.992

20 K 2.405

21 S 4.372

22 A 2.876

23 D 2.240

24 A 2.455

25 I 4.314

26 G 6.000

27 N 1.826

28 D 4.512

29 A 3.347

30 L 4.000

31 S 3.298

32 R 5.000

33 M 4.008

34 I 4.992

35 V 0.959

36 V 1.132

37 Y 5.140

38 P 7.000

39 Q 3.215

40 T 5.000

41 K 5.000

42 T 5.000

43 Y 7.000

44 F 6.000

45 S 4.521

46 H 8.000

47 W 4.240

48 P 2.295 \*

49 D 5.174

50 V 2.810

51 T 2.752

52 P 3.959

53 G 6.000

54 S 4.000

55 P 2.322

56 H 4.198

57 I 3.835

58 K 5.000

59 A 1.835

60 H 8.000

61 G 6.000

62 K 3.405

63 K 5.000

64 V 4.000

65 M 2.124

66 G 2.694

67 G 3.355

68 I 3.669

69 A 2.190

70 L 0.124

71 A 4.000

72 V 2.413

73 S 0.934

74 K 6.488

75 I 2.612

76 D 5.331

77 D 6.000

78 L 3.140

79 K 4.446

80 T 3.149

81 G 3.355

82 L 4.000

83 M 3.182

84 E 0.678

85 L 4.000

86 S 4.000

87 E 5.331

88 Q 3.017

89 H 8.000

90 A 4.000

91 Y 4.967

92 K 5.000

93 L 4.000

94 R 5.000

95 V 4.000

96 D 6.000

97 P 7.000

98 A 3.339

99 N 6.000

100 F 6.000

101 K 5.000

102 I 3.058

103 L 4.000

104 N 2.926

105 H 6.653

106 C 7.306

107 I 3.058

108 L 3.678

109 V 2.215

110 V 3.479

111 I 3.240

112 S 3.504

113 T 0.702

114 M 6.322

115 F 1.207

116 P 7.000

117 K 0.562

118 E 3.008

119 F 4.992

120 T 4.182

121 P 7.000

122 E 2.182

123 A 2.736

124 H 8.000

125 V 3.339

126 S 4.000

127 L 4.000

128 D 6.000

129 K 5.000

130 F 6.000

131 L 3.355

132 S 2.289

133 G 1.496

134 V 4.000

135 A 2.909

136 L 3.231

137 A 3.339

138 L 4.000

139 A 4.165

140 E 3.347

141 R 4.504

142 Y 7.000

143 R 5.000

\* gap fraction no less than 0.50; conservation set to M-S

M: mean; S: standard deviation

AL2CO parameters are:

Input alignment file: QUERY\_9fYmAm

Output conservation file: QUERY\_9fYmAm.csv.txt

Output alignment file with index: QUERY\_9fYmAm.csv.aln; Block size: 70

Input matrix file: BLOSUM62

Matrix transformation: no transformation

Weighting scheme: unweighted

Conservation calculation method: sum-of-pairs measure

Window size: 1

Conservation not normalized

Gap fraction to suppress calculation: 0.50