1 : 1.019

2 S 0.729

3 L 0.916

4 S 0.951

5 D 0.492

6 K 0.439

7 D 0.972

8 K 0.950

9 A 0.465

10 A 0.770

11 V 0.763

12 R 0.744

13 A 0.566

14 L 0.415

15 W 0.888

16 S 0.604

17 K 0.950

18 I 0.719

19 G 0.831

20 K 0.502

21 S 0.627

22 A 0.767

23 D 0.517

24 A 0.593

25 I 0.679

26 G 0.977

27 N 0.561

28 D 0.784

29 A 0.768

30 L 0.916

31 S 0.628

32 R 1.011

33 M 0.944

34 I 0.780

35 V 0.373

36 V 0.386

37 Y 0.718

38 P 0.993

39 Q 0.715

40 T 0.979

41 K 0.950

42 T 0.979

43 Y 1.012

44 F 0.989

45 S 0.712

46 H 0.972

47 W 0.711

48 P 0.582 \*

49 D 0.901

50 V 0.621

51 T 0.605

52 P 0.689

53 G 0.977

54 S 0.951

55 P 0.628

56 H 0.800

57 I 0.748

58 K 0.950

59 A 0.687

60 H 0.972

61 G 0.977

62 K 0.812

63 K 0.950

64 V 0.956

65 M 0.612

66 G 0.561

67 G 0.692

68 I 0.710

69 A 0.545

70 L 0.382

71 A 0.909

72 V 0.682

73 S 0.359

74 K 0.745

75 I 0.534

76 D 0.888

77 D 0.972

78 L 0.683

79 K 0.618

80 T 0.664

81 G 0.692

82 L 0.916

83 M 0.749

84 E 0.428

85 L 0.916

86 S 0.951

87 E 0.763

88 Q 0.715

89 H 0.972

90 A 0.909

91 Y 0.618

92 K 0.950

93 L 0.916

94 R 1.011

95 V 0.956

96 D 0.972

97 P 0.993

98 A 0.715

99 N 1.011

100 F 0.989

101 K 0.950

102 I 0.632

103 L 0.916

104 N 0.619

105 H 0.839

106 C 0.962

107 I 0.588

108 L 0.783

109 V 0.844

110 V 0.677

111 I 0.580

112 S 0.683

113 T 0.355

114 M 0.769

115 F 0.529

116 P 0.993

117 K 0.299

118 E 0.584

119 F 0.837

120 T 0.907

121 P 0.993

122 E 0.589

123 A 0.519

124 H 0.972

125 V 0.685

126 S 0.951

127 L 0.916

128 D 0.972

129 K 0.950

130 F 0.989

131 L 0.839

132 S 0.528

133 G 0.400

134 V 0.956

135 A 0.577

136 L 0.615

137 A 0.715

138 L 0.916

139 A 0.738

140 E 0.743

141 R 0.744

142 Y 1.012

143 R 1.011

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

M: mean; S: standard deviation

AL2CO parameters are:

Input alignment file: QUERY\_ZSWGvr

Output conservation file: QUERY\_ZSWGvr.csv.txt

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

Weighting scheme: weighted by the modified method of Henikoff & Henikoff

Conservation calculation method: variance-based

Window size: 1

Conservation not normalized

Gap fraction to suppress calculation: 0.50