1 M -1.000 \*

2 A -1.000 \*

3 S -0.560

4 K -1.507

5 P 0.529

6 Q -0.125

7 P 0.529

8 I -0.125

9 A 0.529

10 A 0.529

11 A 0.529

12 N 1.215

13 W 0.580

14 K 1.215

15 C -0.492

16 N 1.215

17 G 0.580

18 S -1.173

19 E -1.159

20 S -1.560

21 L -1.666

22 L -0.718

23 V -1.841

24 P -0.612

25 L -0.036

26 I -0.543

27 E -1.946

28 T -0.612

29 L 0.580

30 N 0.580

31 A -0.612

32 A -0.031

33 T -2.227

34 F -1.666

35 D -0.879

36 H -1.841

37 D -1.560

38 : -1.000 \*

39 : -1.000 \*

40 V -0.036

41 Q -0.331

42 C 0.580

43 V 1.215

44 V -0.718

45 A -0.612

46 P 0.580

47 T 0.580

48 F -0.998

49 L -1.841

50 H -0.031

51 I -0.036

52 P -0.879

53 M -1.454

54 T -0.879

55 K -0.492

56 A -0.998

57 R -1.385

58 L 0.580

59 T -1.000 \*

60 N -1.560

61 P -0.879

62 K -1.385

63 F -1.173

64 Q -2.121

65 I -0.612

66 A -0.031

67 A 0.580

68 Q 1.215

69 N 1.215

70 A -0.036

71 I -0.331

72 : -0.741

73 T -0.879

74 R -1.560

75 S -1.279

76 G 1.215

77 A 1.215

78 F 1.215

79 T 1.215

80 G 1.215

81 E 1.215

82 V -0.879

83 S 0.580

84 L -0.879

85 Q -1.454

86 I -0.031

87 L -0.492

88 K 0.580

89 D 0.580

90 Y -1.560

91 G 1.215

92 I -0.612

93 S -1.841

94 W 1.215

95 V 1.215

96 V -0.036

97 L 1.215

98 G 1.215

99 H 1.215

100 S 1.215

101 E 1.215

102 R 1.215

103 R 1.215

104 L -0.879

105 Y -1.104

106 : -1.000 \*

107 : -1.000 \*

108 Y -0.331

109 G -0.031

110 E 1.215

111 T -0.031

112 N 0.250

113 E -0.879

114 I -0.879

115 V 0.250

116 A -0.036

117 E -1.173

118 K 1.215

119 V -0.598

120 A -1.159

121 Q -0.879

122 A 1.215

123 C 0.580

124 A -1.385

125 : -1.000 \*

126 A -0.718

127 G 0.580

128 F -0.612

129 H -0.492

130 V 1.215

131 I 0.580

132 V -1.159

133 C 1.215

134 V 0.250

135 G 1.215

136 E 1.215

137 T -0.543

138 N 0.580

139 E 0.056

140 E 0.580

141 R 0.580

142 E 0.580

143 A 0.580

144 G 1.215

145 R -1.841

146 T 1.215

147 A -2.121

148 A -1.173

149 V 1.215

150 V -0.031

151 L -1.104

152 T -0.998

153 Q 1.215

154 L -0.543

155 A -1.385

156 A 0.056

157 V -0.879

158 A -0.612

159 Q -0.598

160 K -0.998

161 L -0.998

162 S -1.000 \*

163 K -1.000 \*

164 E -0.612

165 A -0.031

166 W 1.215

167 S -0.612

168 R -0.998

169 V 0.580

170 V 1.215

171 I -0.787

172 A 1.215

173 Y 1.215

174 E 1.215

175 P 1.215

176 V 1.215

177 W 1.215

178 A 1.215

179 I 1.215

180 G 1.215

181 T 1.215

182 G 1.215

183 K -0.031

184 V -0.492

185 A 1.215

186 T 0.580

187 P 0.580

188 Q -0.998

189 Q 0.580

190 A 1.215

191 Q 0.580

192 E -0.031

193 V 0.580

194 H 1.215

195 E 0.056

196 L -1.841

197 L -0.331

198 R 1.215

199 R -1.841

200 W 0.250

201 V 0.580

202 R -0.879

203 S -1.159

204 K 0.056

205 L -0.879

206 G -0.331

207 T -0.998

208 D -1.841

209 I -0.031

210 A 0.580

211 A -1.454

212 Q -0.612

213 L 0.056

214 R 1.215

215 I 1.215

216 L -0.492

217 Y 1.215

218 G 1.215

219 G 1.215

220 S 1.215

221 V 0.580

222 T -0.031

223 A -0.543

224 K -0.612

225 N 0.056

226 A -0.036

227 R -1.159

228 T -0.331

229 L 0.580

230 Y -0.612

231 Q -1.454

232 M -0.492

233 R -0.031

234 D 0.580

235 I -0.036

236 N 0.580

237 G 1.215

238 F 1.215

239 L 1.215

240 V 1.215

241 G 1.215

242 G 1.215

243 A 1.215

244 S 1.215

245 L 0.580

246 K 1.215

247 P 1.215

248 E -0.031

249 F 1.215

250 V -0.031

251 E -0.331

252 I 1.215

253 I 0.580

254 E -0.031

255 A 0.250

256 T -1.454

257 K -1.385

258 : -1.000 \*

259 : -1.000 \*

260 : -1.000 \*

261 : -1.000 \*

262 : -1.000 \*

263 : -1.000 \*

264 : -1.000 \*

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

M: mean; S: standard deviation

AL2CO parameters are:

Input alignment file: QUERY\_DtRoaz

Output conservation file: QUERY\_DtRoaz.csv.txt

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

Weighting scheme: unweighted

Conservation calculation method: entropy-based

Window size: 1

Conservation normalized to zero mean and unity variance

Gap fraction to suppress calculation: 0.50