

[illegible][illegible]

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

MEME v0.3.90 10.06.22.22

bits

1 2 3 4

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231

MEANS (info DSC) 10.05 22.0 23.0

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

VSPPKATKSLA

MEME (v5.0.5) 10/05/2023

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

MEME (v5.5.2) on 10/01/2023 22:23

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

2.0 3.8 3.8 3.8 0.0 3.5 3.8 0.5 0.5 3.5 3.2 3.2 2.8 0.5 3.8

KLVENCVA-WKAKSG

MEAME (w/ SSG) 10.05.2011

bits

MER (in 5' to 3' direction)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

Sequence logo for the 5' region of the 16S rRNA gene. The y-axis represents information content in bits (0 to 4). The x-axis shows nucleotide positions 1 to 55. The logo displays the conservation of nucleotides at each position, with 'G' and 'A' being highly conserved in the 5' region and 'C' and 'U' being more variable.

Sequence logo showing the information content (bits) for each amino acid position (1 to 21). The y-axis represents bits (0 to 4). The x-axis represents the amino acid index. The sequence shown is Y L S L A A A V P P F E N S P K M L A.

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

MEAN (nm-BSC) 10.05 22.23 19

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Q L E S S V R R R L A A L D K

MEME (m.5SC) 10.05.2023

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

MEANS (IN SDG) 10

bits

4

3

2

1

0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

S R A C R A Q I K Q V T S C M Q L A G L P V L

MSMR (H5 NSC) 10.05.22 21.25

bits

4

3

2

1

0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

EPVDOPYLEEKRPGCASVAVP

MEME (v4.11.2) 10.05.2017 27