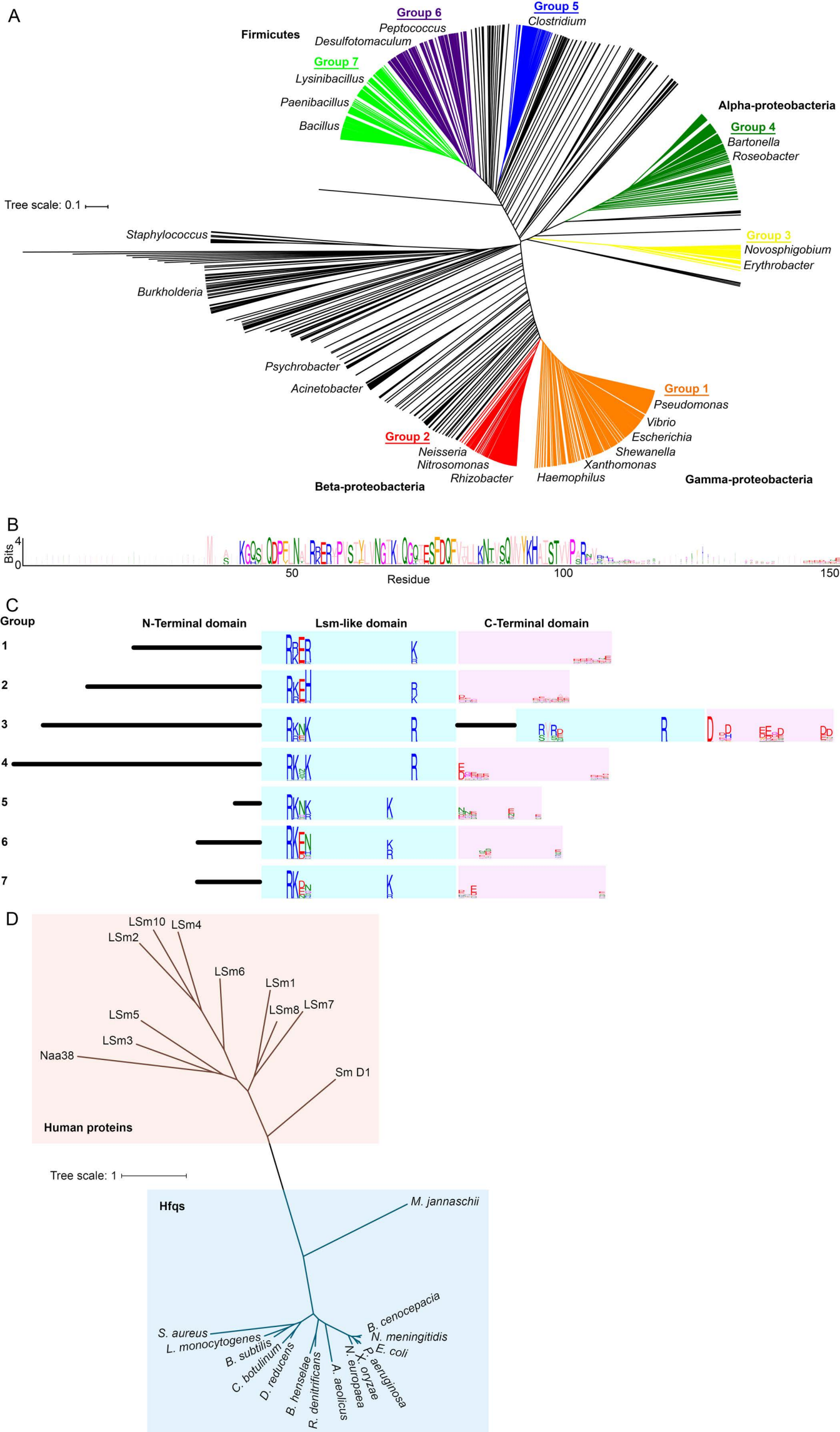
A
Group 6
Peptococcus
Desulfotomaculum
Group 5
Clostridium
Firmicutes
Group 7
Lysinibacillus
Paenibacillus
Bacillus
Alpha-proteobacteria
Group 4
Bartonella
Roseobacter
Tree scale: 0.1
Staphylococcus
Group 3
Novosphigobium
Erythrobacter
Burkholderia
Psychrobacter
Acinetobacter
Group 1
Pseudomonas
Vibrio
Escherichia
Shewanella
Xanthomonas
Haemophilus
Group 2
Neisseria
Nitrosomonas
Rhizobacter
Beta-proteobacteria
Gamma-proteobacteria
B
Bits
4
0
50
100
150
Residue
C
Group
N-Terminal domain
Lsm-like domain
C-Terminal domain
1
2
3
4
5
6
7
D
LSm10
LSm4
LSm2
LSm6
LSm1
LSm8
LSm7
LSm5
LSm3
Naa38
Sm D1
Human proteins
Tree scale: 1
Hfqs
M. jannaschii
S. aureus
L. monocytogenes
B. subtilis
C. botulinum
D. reducens
B. henselae
R. denitrificans
A. aeolicus
N. europaea
X. oryzae
P. aeruginosa
E. coli
N. meningitidis
B. cenocepacia