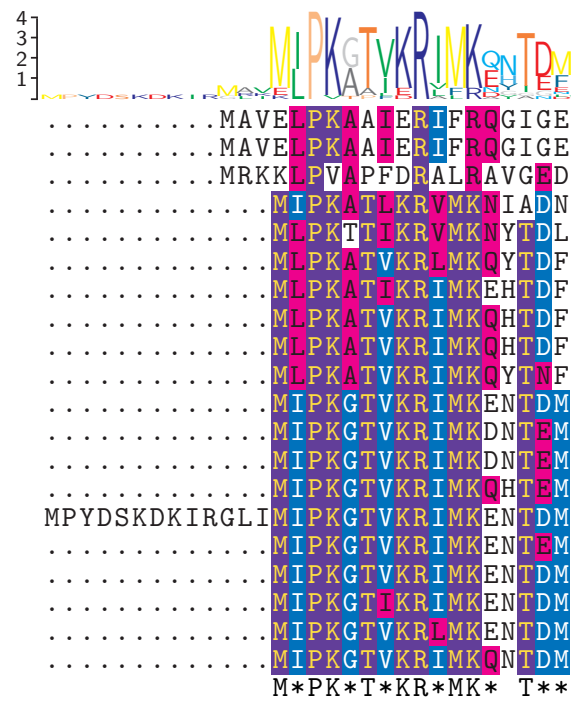


Archael.fasta

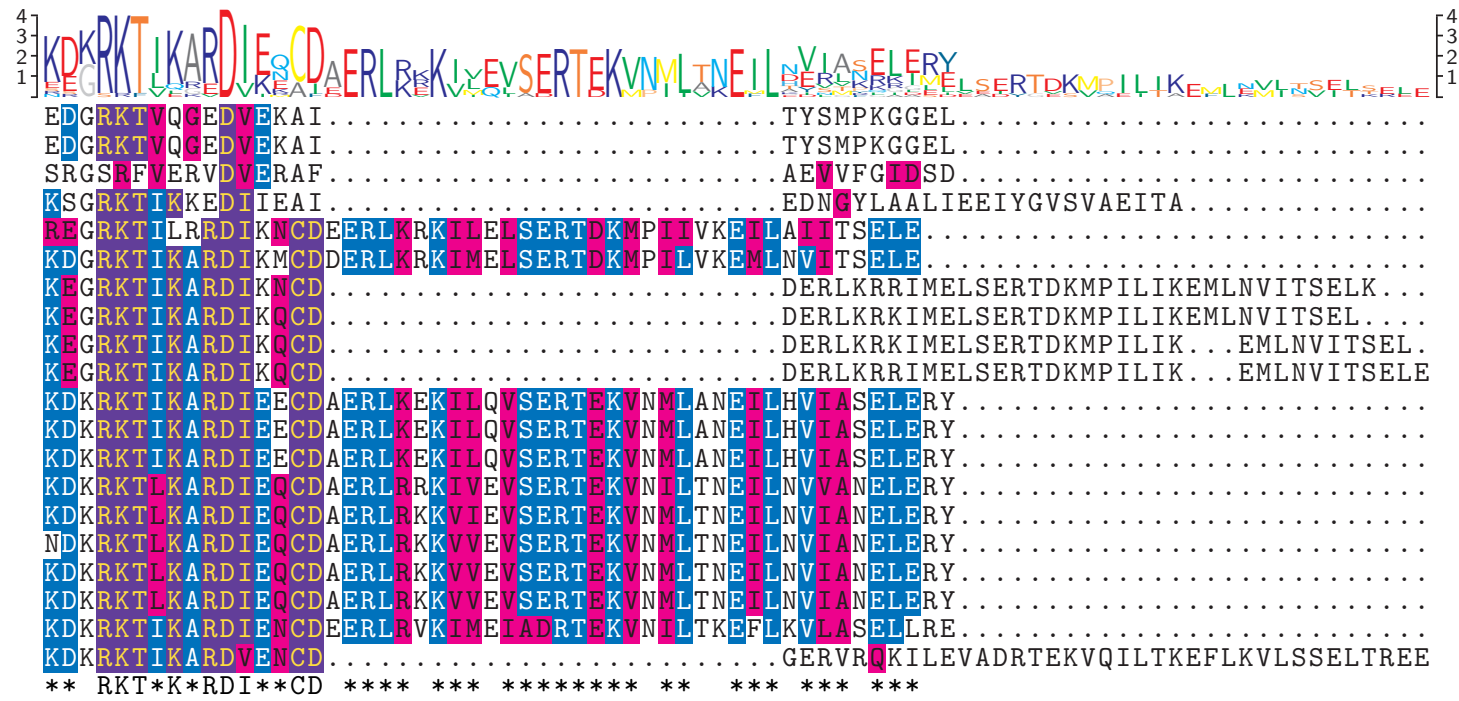
logo

200951131[Methanopyrpus_kandleri/1-154
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20093944][Methanopyrus_kandleri/1-77
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296110032][Methanocaldococcus_inf/1-97
256810233][Methanocaldococcus_fer/1-97
261402363][Methanocaldococcus_vul/1-97
15669843][Methanocaldococcus_jann/1-96
9789763][Methanocaldococcus_janna/1-96
289192391][Methanocaldococcus_sp./1-97
297619385][Methanococcus_voltae/1-99
4171321][Methanococcus_voltae/1-99
44721][Methanococcus_voltae/1-99
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45385871][Methanococcus_maripalu/1-112
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303244869][Methanothermococcus_ok/1-99
150401109][Methanococcus_aelicus/1-100
consensus




logo

200951131[Methanopyrus_kandleri/1-154
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20093944][Methanopyrus_kandleri/1-77
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consensus



X	non conserved
X	similar
X	$\geq 50\%$ conserved
X	$\geq 80\%$ conserved



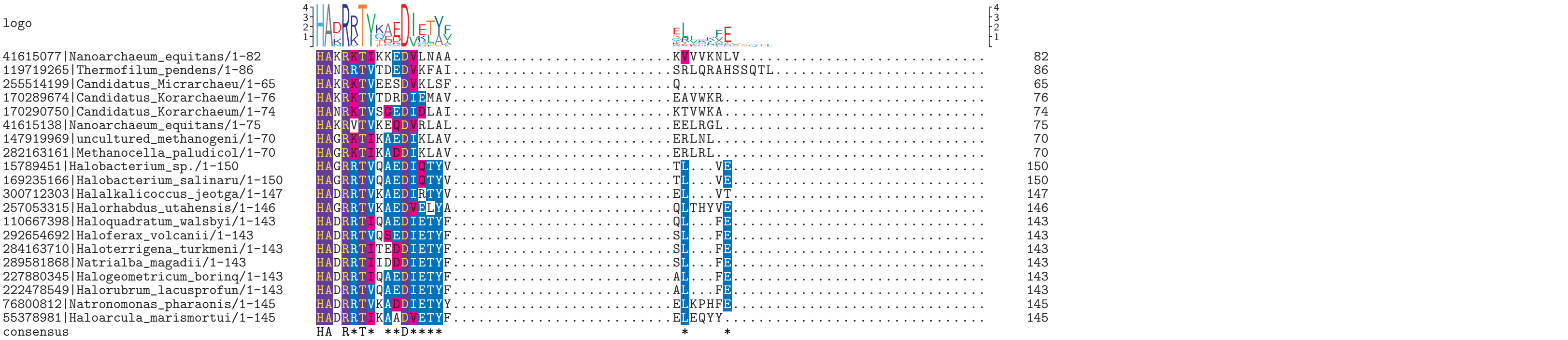
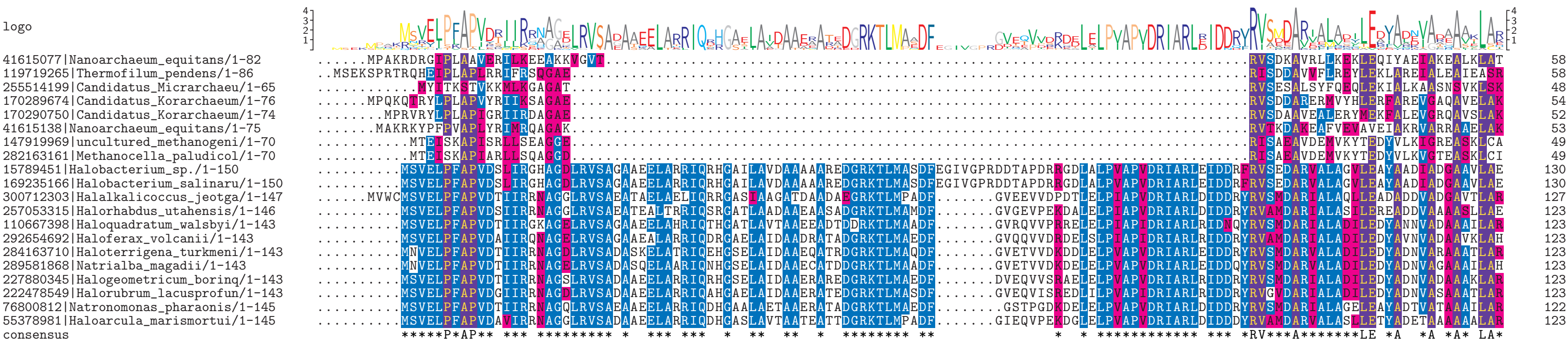
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1 2 3 4 5 6 7 8 9 10 11 12 13

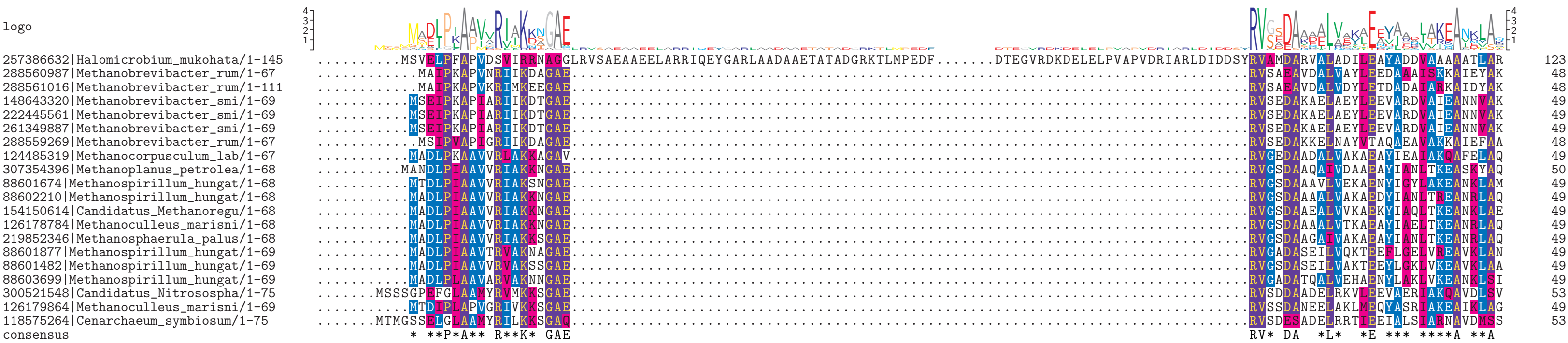
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2. RASSDAADLYNKLICRATTEELGEKAAEYD
3. RVSRKASITTRDHWQRRAEEIGCRAGEIAA
4. FRISNDAVEDECNMLHKKLIVELVQARMTA
5. NISSAAVDELICNMLEBIIKIVITTEVAQNAA
6. NISSAAVDELICNMLEBIIKIVITTEVAQNAA
7. NISSAAVDELICNMLEBIIKIVITTEVAQNAA
8. NISSAAVDELICNMLEBIIKIVITTEVAQNAA
9. NISSAAVDELICNMLEBIIKIVITTEVAQNAA
10. NISSAAVDELICNMLEBIIKIVITTEVAQNAA
11. NISSAAVDELICNMLEBIIKIVITTEVAQNAA
12. YVSTESVVALVDLQBMIVTTTTRIAEENAA
13. YVSTESVVALVDLQBMIVTTTTRIAEENAA
14. YVSTESVVALVDLQBMIVTTTTRIAEENAA
15. NVSAESVEKLVLELQBMIVTTTQIAEQNAG
16. NVSAESVVALVELLQBMVVTTTKIAEENAA
17. NVSAESVAAALVELLQBMVVTTTKIAEENAA
18. NVSAESVAAALVELLQBMVVTTTKIAEENAA
19. NVSAESVAAALVELLQBMVVTTTKIAEENAE
20. NVSAESVAAALVELLQBMVVTTTKIAEENAE
21. NVSAESVEKLVLELQBMIVTTTQMAEDHAR
22. NVSAESVVKLVLELQBMIVTTTTRIAEENAA

***S*E V* L I L L L L C E * * * * T T * * A A E * N A

[illegible]



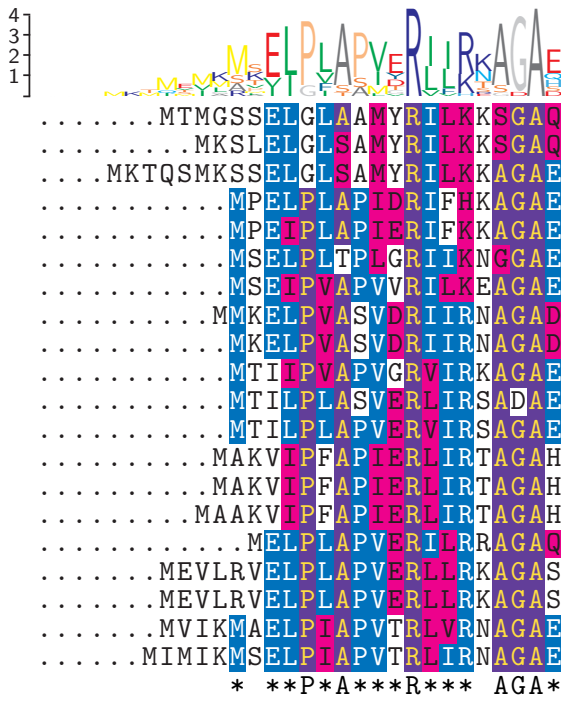
non conserved
similar
≥ 50% conserved
≥ 80% conserved



non conserved
similar
≥ 50% conserved
≥ 80% conserved

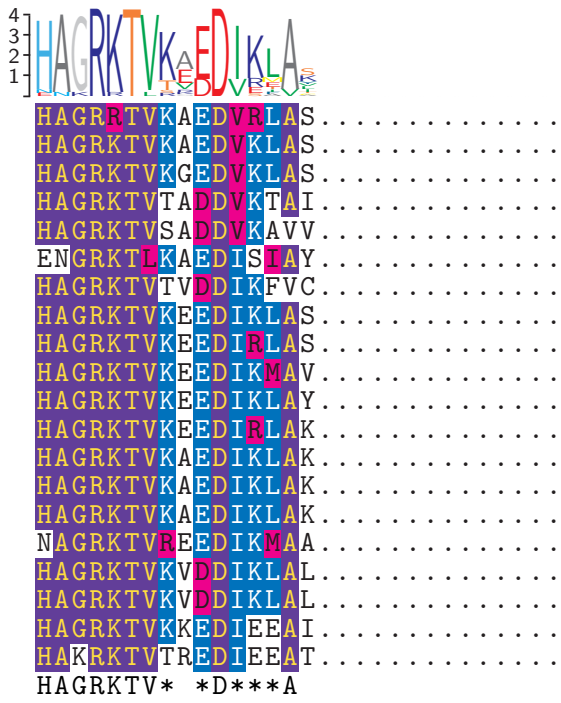
logo

68509980|Cenarchaeum_symbiosum/1-75
167044292|uncultured_marine/1-73
161528940|Nitrosopumilus_maritim/1-78
307595960|Vulcanisaeta_distribut/1-76
159042265|Caldivirga_maquilingen/1-74
84489195|Methanosphaera_stadtman/1-68
288560031|Methanobrevibacter_rum/1-66
282165331|Methanocella_paludicol/1-70
147919510|uncultured_methanogeni/1-69
294496333|Methanohalophilus_mahi/1-73
91773349|Methanococcoides_burton/1-73
298675834|Methanohalobium_vesti/1-68
73669096|Methanosarcina_barkeri/1-69
20089557|Methanosarcina_acetivor/1-69
21227927|Methanosarcina_mazei/1-70
284161366|Archaeoglobus_profundu/1-70
11497949|Archaeoglobus_fulgidus/1-72
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268324247|uncultured_archaeon/1-70
82617213|uncultured_archaeon/1-71
consensus

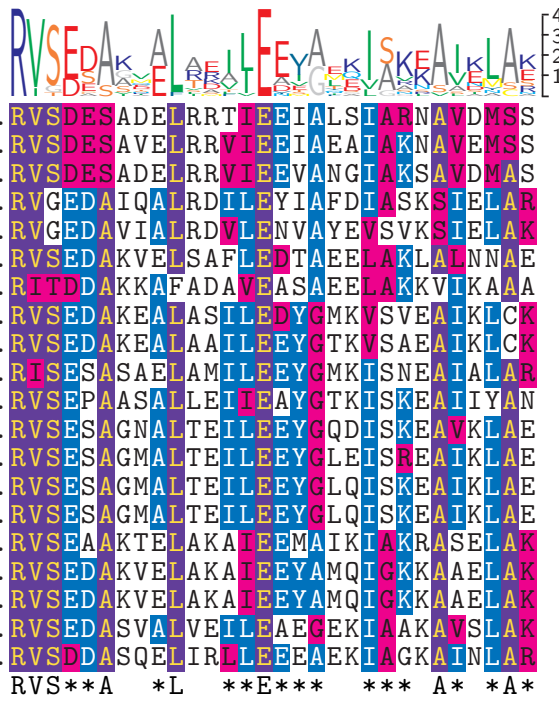


logo

68509980|Cenarchaeum_symbiosum/1-75
167044292|uncultured_marine/1-73
161528940|Nitrosopumilus_maritim/1-78
307595960|Vulcanisaeta_distribut/1-76
159042265|Caldivirga_maquilingen/1-74
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288560031|Methanobrevibacter_rum/1-66
282165331|Methanocella_paludicol/1-70
147919510|uncultured_methanogeni/1-69
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73669096|Methanosarcina_barkeri/1-69
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21227927|Methanosarcina_mazei/1-70
284161366|Archaeoglobus_profundu/1-70
11497949|Archaeoglobus_fulgidus/1-72
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268324247|uncultured_archaeon/1-70
82617213|uncultured_archaeon/1-71
consensus

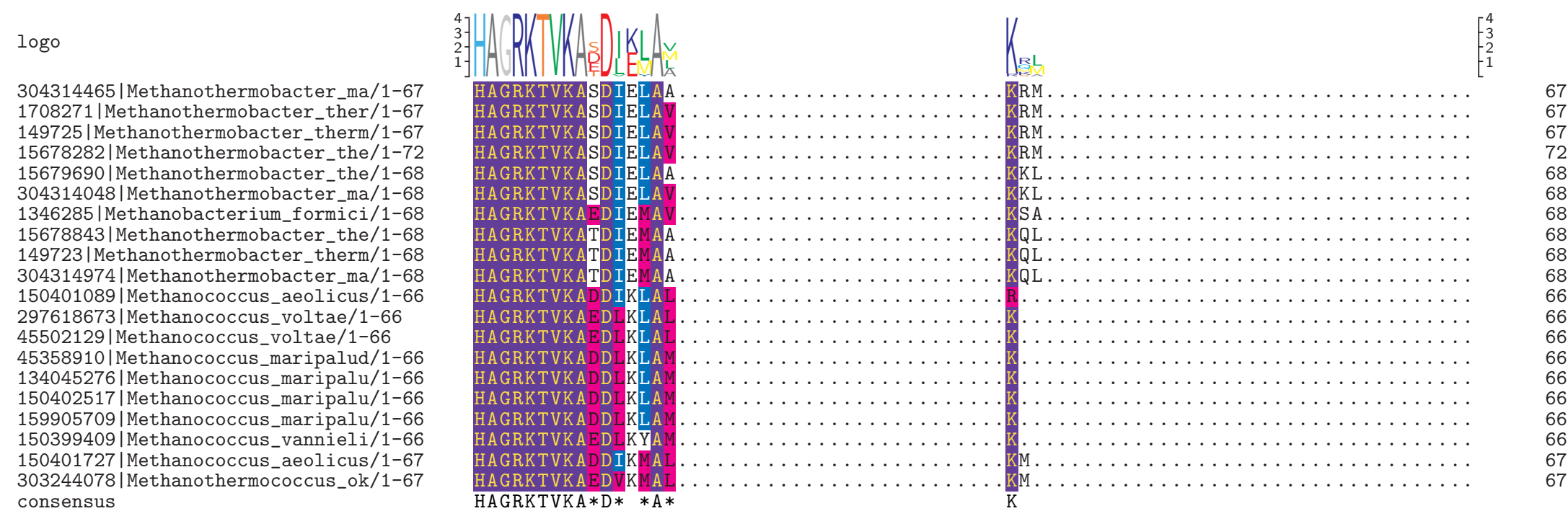
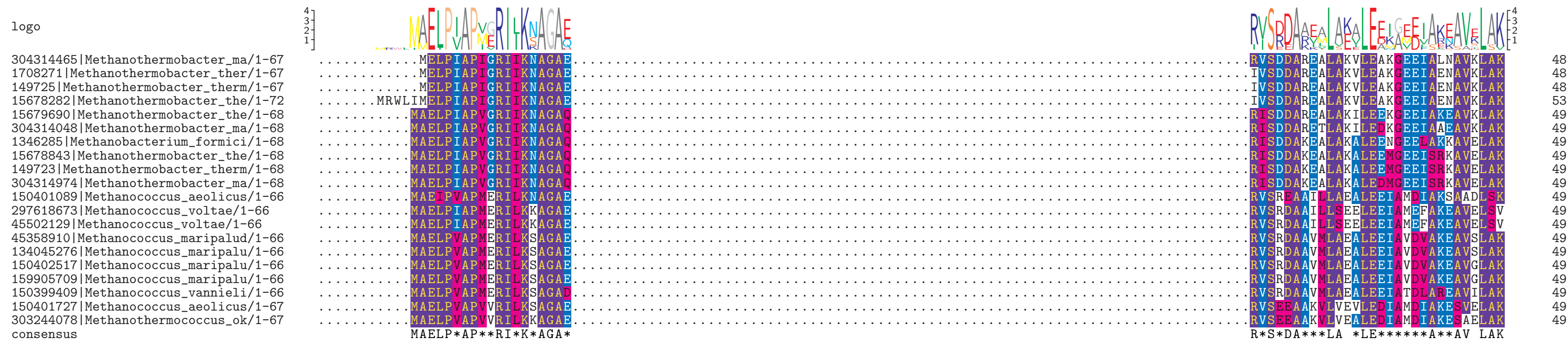


- non conserved
- similar
- ≥ 50% conserved
- ≥ 80% conserved

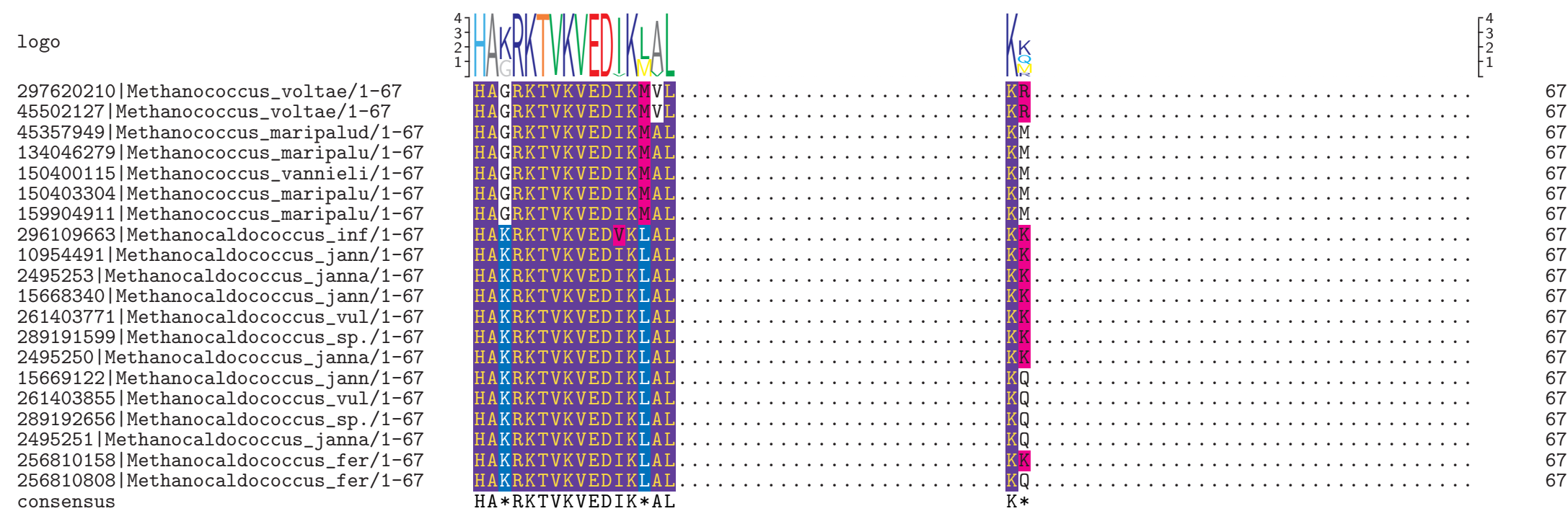
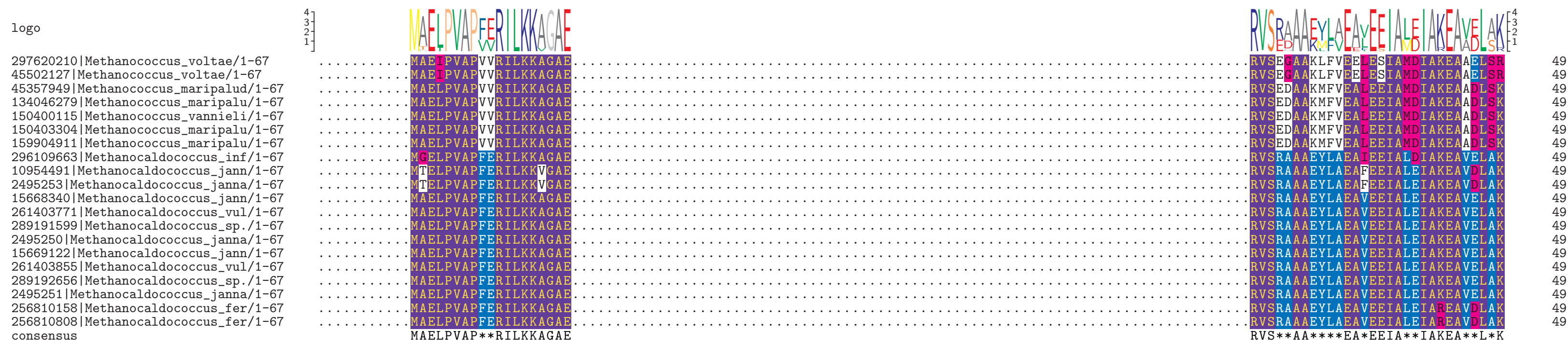


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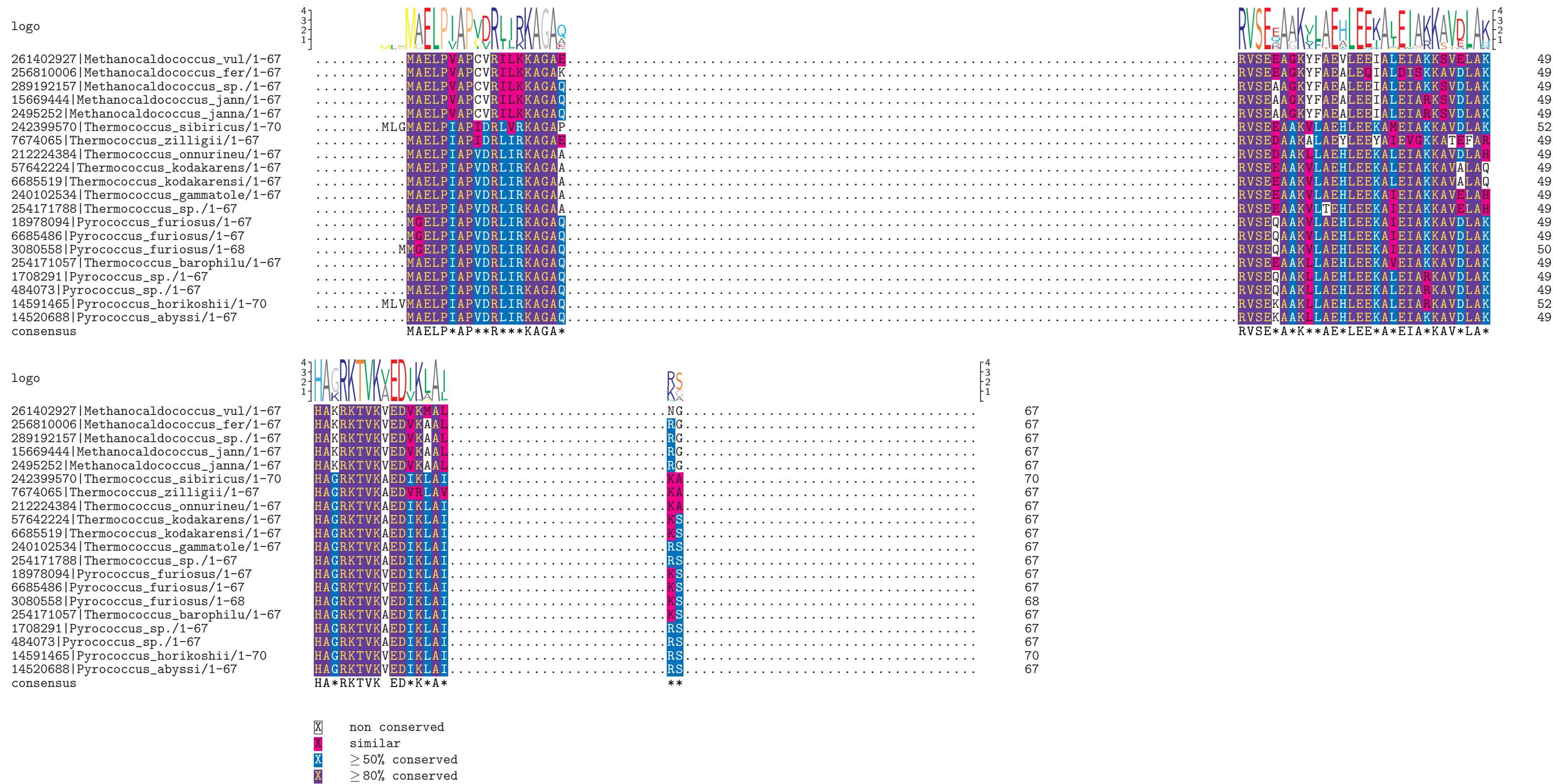
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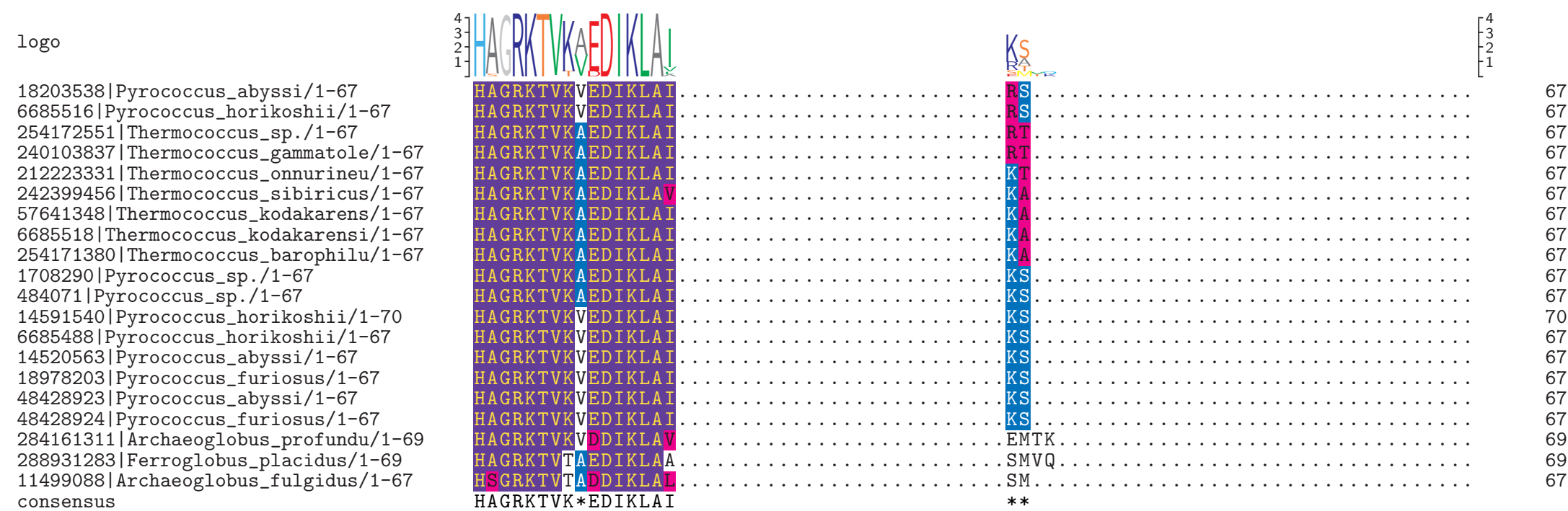
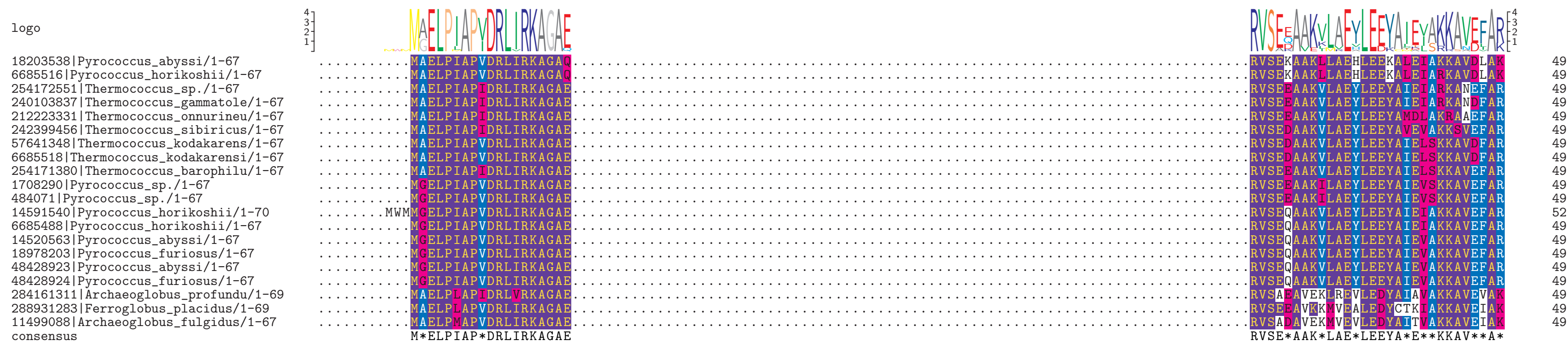


X	non conserved
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X	$\geq 80\%$ conserved





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X	similar
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X	$\geq 80\%$ conserved

