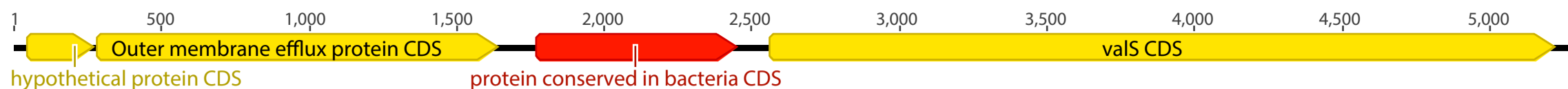
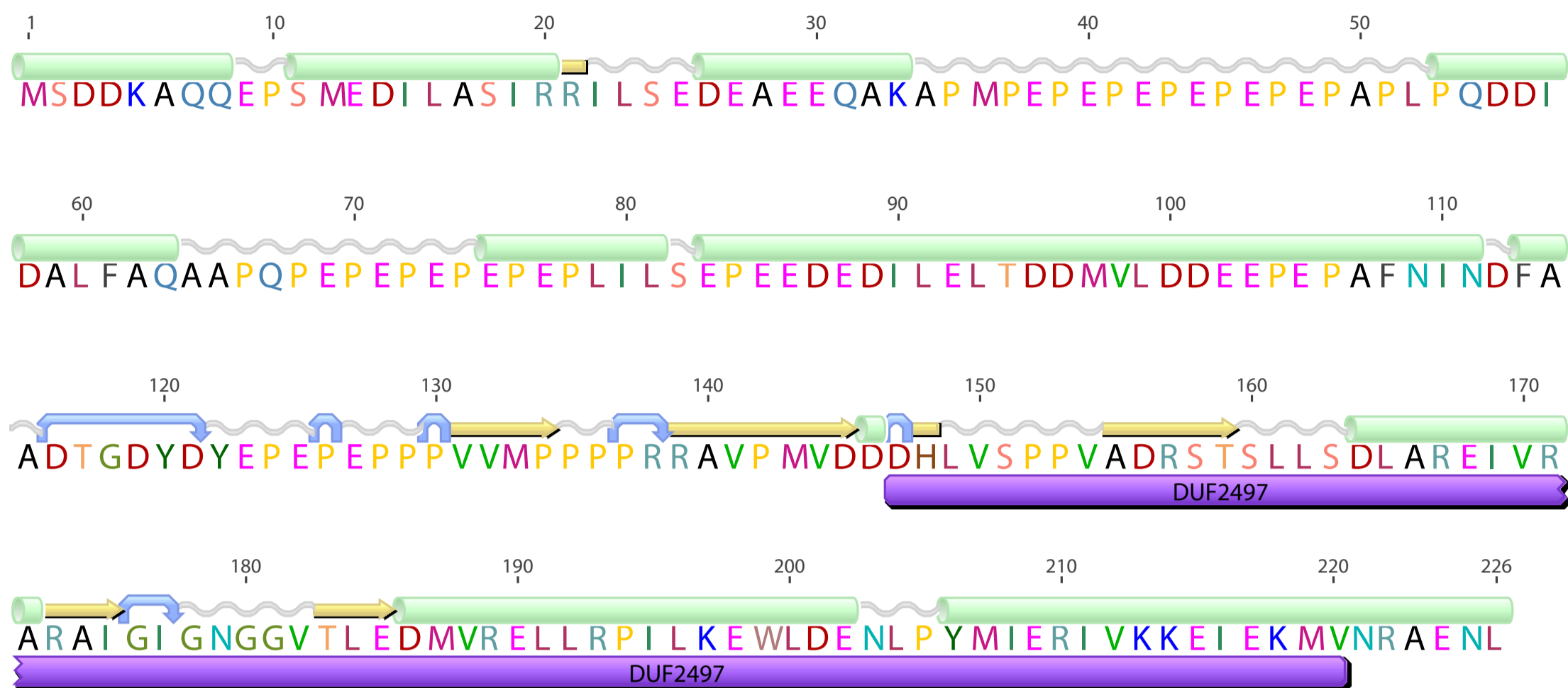
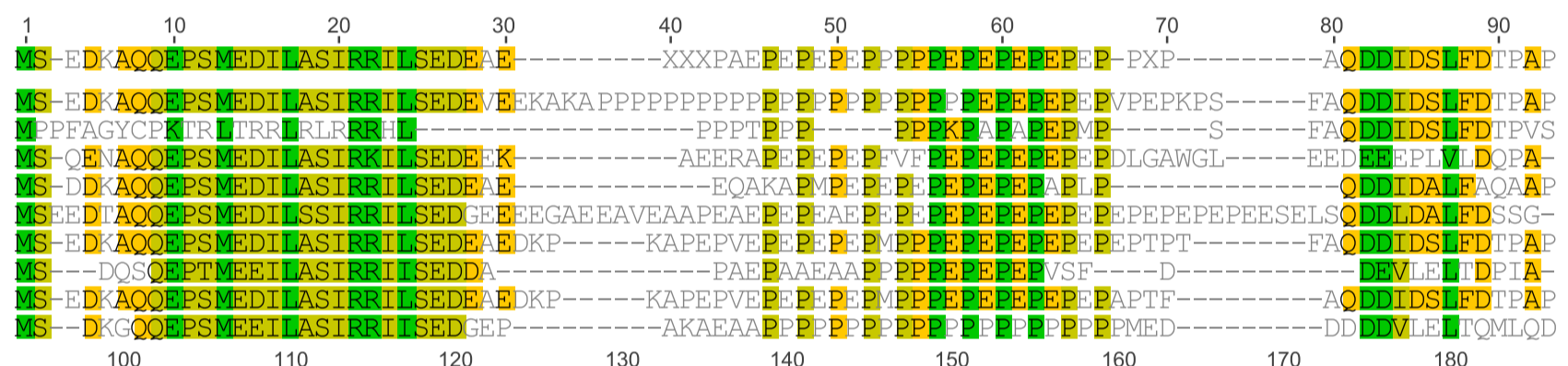


A**B****C**

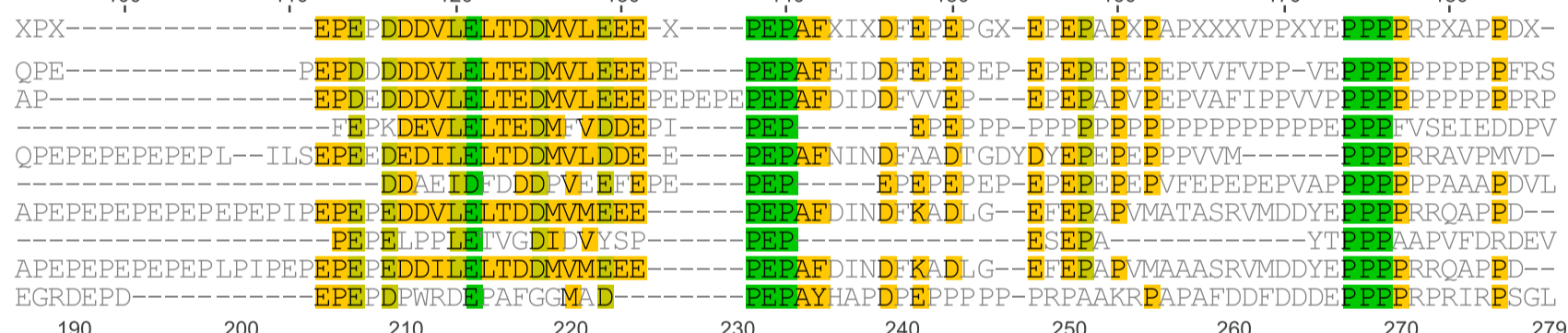
Consensus

1. *Phaeospirillum fulvum*
2. *Phaeospirillum molischianum*
3. *Rhodospirillum rubrum*
4. *Magnetospirillum gryphiswaldense*
5. *Magnetospira* sp.
6. *Magnetospirillum magnetotacticum*
7. *Caulobacter crescentus*
8. *Magnetospirillum magneticum*
9. *Azospirillum brasilense*



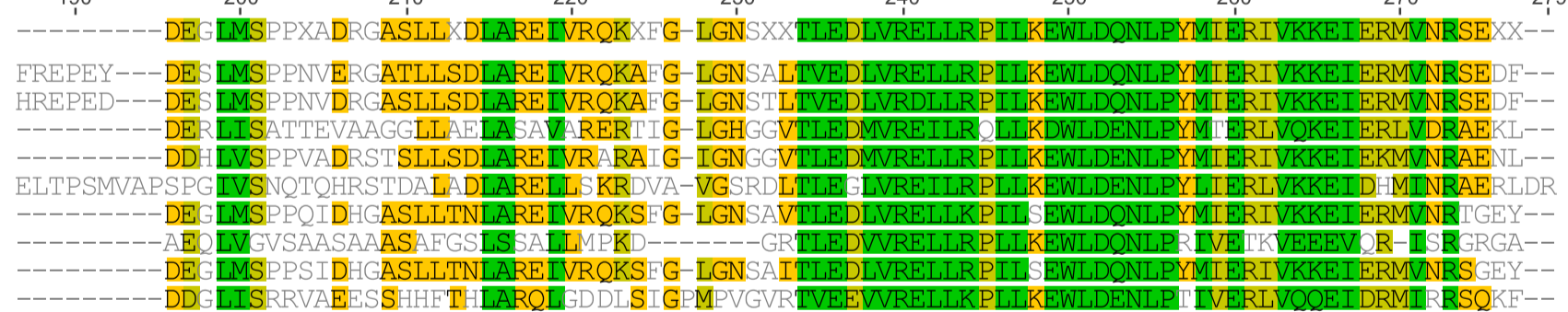
Consensus

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Consensus

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**D**

Identity	<i>Phaeospirillum fulvum</i>	<i>Phaeospirillum molischianum</i>	<i>Rhodospirillum rubrum</i>	<i>Magnetospirillum gryphiswaldense</i>	<i>Magnetospira</i> sp.	<i>Magnetospirillum magnetotacticum</i>	<i>Caulobacter crescentus</i>	<i>Magnetospirillum magneticum</i>	<i>Azospirillum brasilense</i>
<i>Phaeospirillum fulvum</i>	100%	73.50%	47.63%	61.31%	51.62%	67.61%	36.79%	67.48%	42.52%
<i>Phaeospirillum molischianum</i>	73.11%	100%	36.81%	51%	39.91%	56.77%	30.15%	57.01%	31.62%
<i>Rhodospirillum rubrum</i>	57.70%	49.46%	100%	48.98%	44.82%	45.78%	38.38%	45.55%	39.82%
<i>Magnetospirillum gryphiswaldense</i>	65.23%	56.98%	59.49%	100%	48.40%	64.68%	37.22%	65.81%	41.85%
<i>Magnetospira</i> sp.	59.13%	46.59%	56.63%	50.89%	100%	45.80%	36.01%	45.58%	38.47%
<i>Magnetospirillum magnetotacticum</i>	72.04%	59.85%	54.83%	71.32%	50.17%	100%	40.85%	95.06%	41.10%
<i>Caulobacter crescentus</i>	45.87%	43.72%	54.48%	51.25%	44.44%	47.67%	100%	41.52%	40.49%
<i>Magnetospirillum magneticum</i>	70.96%	59.49%	54.83%	72.04%	49.82%	96.77%	48.38%	100%	41.27%
<i>Azospirillum brasilense</i>	51.61%	43.72%	54.12%	54.48%	45.16%	53.04%	50.89%	53.76%	100%