

```

E.coli ----- 0
Nostoc ----- 0
ASL1  MATATSTLFLSLSLSASLPSPAQPAPASLSLRAVSPRARLSASYAAFPIGGIGAWAAATP 60

E.coli -----MANIKSAKRAIQSEKARKHNASRRSMMRTFIKKVY 36
Nostoc --MDAILVNLVVCVHNYIVFLELTVANTKSAIKRAQIAERNRLRNKAYKSAVATLMKKYF 58
ASL1  ASSGRWRRRGLEVVCEAAKTGTATGRRPDSVKKRERQNDRHRIRNHARKAEMRTRMKKVL 120

E.coli AAIEAG-----DKAAAQKAFNEMQPIVDROAAKGLIHKNKAARHKANLTAQINKLA 87
Nostoc AAVEVYT--ANPTPE SKQAVEERI SEAYSKIDKAVKRGVLHPNTGARKKSRLAHKLPKA 116
ASL1  KALEKLRKKADATPEDIIQIEKWISEAYKALDRTVKVGMHRNTGNHRKSLARRKKAIE 180

E.coli ----- 87
Nostoc ----- 116
ASL1  ILRGWYVPNAEPAATS 196

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Figure S1 Amino acid sequence alignment of the three kinds of RPS20 proteins. Amino acids fully or semi-conserved are shaded black and gray, respectively.