

Supplementary information for DepStep: An Efficient One-step rRNA Depletion Workflow for RNA Sequencing in Non-model Organisms

M. Suleman Qasim^{1,2, §} and L. Peter Sarin^{1, 3, *}

¹RNAcious Laboratory, Department of Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, Helsinki, Finland

²Doctoral Programme in Microbiology and Biotechnology, University of Helsinki, Helsinki, Finland

³Helsinki Institute of Life Science (HiLIFE), University of Helsinki, Helsinki, Finland

*For correspondence: peter.sarin@helsinki.fi

[§]Technical contact: muhammad.qasim@helsinki.fi

Supplementary Table S1. List of DepStep-35P probe sequences used for *S. glacialimarina* rRNA depletion

Probe name	Sequence	Length (nt)	Homodimer dG (>-10 kcal/mol)	Hairpin dG (>-3 kcal/mol)	T _m at 300 mM salt (°C)
Probe-1-23S	CCGTCGATATGAACTCTTGGGCGGTATCA	29	-6.76 kcal/mol	-0.97	76.79
Probe-2-23S	TAGTGACTCGTCATCAGCTCTCAACGTGT	29	-6.34 kcal/mol	-0.83	75.37
Probe-3-23S	ACAGGAACCCCTTGGTCTTTCGGCGAGG	27	-5.19 kcal/mol	-0.17	78.60
Probe-4-23S	ATTGCGCACTTCTGATACGTCCAGTGTTGG	28	-6.30 kcal/mol	-1.65	75.46
Probe-5-23S	CAAACCCGTAGCTTCGGTGGTATGTTTAGC	30	-6.68 kcal/mol	-2.02	76.65
Probe-6-23S	TGTCTGTCTCCCGAGTAGTACTCATTGGT	29	-6.84 kcal/mol	-1.63	75.37
Probe-7-23S	CAACATAAGTCGGTTCGGTCCTCCAGTTGA	30	-5.24 kcal/mol	-0.66	76.65
Probe-8-23S	CCTTGCCATCAACGTAGTAGTCTCCTA	28	-6.30 kcal/mol	-0.92	74.00
Probe-9-23S	GGACCGAACTGTCTCACGACGTTCTGAAC	29	-6.30 kcal/mol	-0.92	78.20
Probe-10-23S	GATCACTATGACCTACTTTCGTACCTGC	28	-6.30 kcal/mol	-3.93	74.00
Probe-11-23S	CAAATGCTTATTACTAGCTCGCCAACGCT	29	-6.34 kcal/mol	-1.03	73.96
Probe-12-23S	CTGTGCCGCTGAGCTTTCCAACTCAT	26	-6.34 kcal/mol	-0.84	75.67
Probe-13-23S	AGATCACTCGGTTTCGGGTCTACGCCT	27	-4.62 kcal/mol	-0.73	77.08
Probe-14-23S	TCAGGAGTATTTAGCCTTGGAGGATGGT	28	-4.67 kcal/mol	-1.63	74.00
Probe-15-23S	AACTTCACTGAGTCTCGGCTGGAGAC	26	-6.09 kcal/mol	-4.16	75.67
Probe-16-23S	CTTGCGATTTTGCACAGTGCTGTGTTTTGAT	32	-7.05 kcal/mol	-3.07	73.85
Probe-17-23S	AGGTTGCGCTCATAAGCTATGTATTC	27	-6.34 kcal/mol	-3.35	75.67
Probe-18-23S	CAAAC TACCCACCAAGCACTGTCCTC	26	-4.67 kcal/mol	-2.59	77.24
Probe-19-23S	GGTACGCAGTCACGGTCTCAAGAACC	26	-4.41 kcal/mol	-1.24	77.24
Probe-20-23S	GCCTAGTTCCTTCAGCCGAGTTCTCT	26	-4.16 kcal/mol	0.47	75.67
Probe-1-16S	TCTGATTCACGATTACTAGCGATTCCGACT	30	-4.16 kcal/mol	-1.16	73.92
Probe-2-16S	CTACGACGTACTTTGTGAGATTAGCTCCAC	30	-6.34 kcal/mol	-1.02	75.29
Probe-3-16S	CGTTTACGGCGTGGACTACCAGGGTATCT	29	-5.37 kcal/mol	-1.45	78.20
Probe-4-16S	GGTCCTTCTTCTGTAGGTAACGTCACAGC	29	-6.3 kcal/mol	-0.94	76.29
Probe-5-16S	TAGGGCTACCTTGTTACGACTTCACCC	27	-6.14 kcal/mol	-1.36	75.56
Probe-6-16S	GAAGGTTAACTACCCACTTCTTTGCAGCC	31	-7.05 kcal/mol	-0.61	75.21
Probe-7-16S	CCCTAAAGTTCCCGACATAACTCGCTGG	28	-5.19 kcal/mol	-0.34	76.93
Probe-8-16S	GCGGTCTACTTAATGCGTTAGCTTGGGAG	29	-6.34 kcal/mol	-1.15	76.79
Probe-9-16S	CCAGTGTGGCTGATCATCCTCTCAGAA	27	-8.53 kcal/mol	-1.77	75.56
Probe-10-16S	TTCACCGCTACACCTGAAATTCTACCT	27	-5.47 kcal/mol	0.48	72.52
Probe-11-16S	CCGCCAGCGTTCAATCTGAGCCATGA	26	-6.75 kcal/mol	-0.88	77.08
Probe-12-16S	CGTAGGGCGTATGCGGTATTAGCAGTC	27	-5.09 kcal/mol	-2.05	77.08
Probe-13-16S	GTCTCAGAGTTCCCGAAGGCACTAAGC	27	-3.61 kcal/mol	-2.12	77.24
Probe-1-5S	GCCTGGAAATGACCTACTCTCACATGGG	28	-5.38 kcal/mol	-0.25	76.41
Probe-2-5S	GTGTTTCACTTCTGAGTTCGGAATGGGATCAG	32	-5.13 kcal/mol	-0.64	76.93