Table S2. H. salinarum genes with constitutive non-average translational

2 efficiency*1

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	gene product	translational repression factor					transcript level			
ORF		exp			stat			stat/exp		
		Ø	SD	n	Ø	SD	n	Ø	SD	n
Constitutiv	e overtranslation									
AA - amino	acid metabolism									
OE5206R	carbamate kinase	0.4	0.2	4	0.5	0.1	3	1.4	0.3	3
OE5208R	arginine deiminase	0.3	0.1	4	0.3	0.0	3	1.3	0.1	3
CP - cellula	r processes									
OE3541R	probable heat shock protein	0.4	0.1	4	0.5	0.1	3	4.7	1.4	3
OE3925R	thermosome beta chain	0.2	0.1	4	0.3	0.0	3	0.2	0.0	3
OE4122R	thermosome alpha chain	0.2	0.1	4	0.4	0.2	3	0.2	0.0	3
OE5212F_a	a SMC-like protein Sph1	0.4	0.2	4	0.4	0.0	3	2.9	1.5	3
OE5212F_b	SMC-like protein Sph1	0.4	0.2	3	0.3	0.1	3	4.5	1.9	3
MIS - misce	ellaneous									
OE2708R	superoxide dismutase 1 (Mn containing)	0.4	0.1	4	0.5	0.2	3	0.2	0.1	3
OE3112R	AAA-type ATPase (transitional ATPase homolog)	0.3	0.2	4	0.5	0.0	2	0.6	0.1	3
OE3356F	AAA-type ATPase (transitional ATPase homolog)	0.3	0.2	3	0.5	0.0	3	0.9	0.1	3
OE5082R	AAA-type ATPase (transitional ATPase homolog)	0.4	0.2	4	0.4	0.0	3	8.0	0.1	3
OE5160F	glycerol dehydrogenase	0.5	0.4	4	0.3	0.0	3	1.1	0.3	3
TC - transci	ription									
OE1478R	transcription initiation factor TFB	0.4	0.2	4	0.3	0.1	3	0.7	0.1	3
TP - small r	molecule transport									
OE1781F	probable ABC-type transport system ATP-binding	0.4	0.1	4	0.3	0.1	3			0
	protein									
	erved hypothetical protein, HY - hypothetical protein,	NOF	- no fu	inctio	n assi	gned to	o exp	<u>erimer</u>	<u>ntally</u>	
identified pr OE1782F	otein conserved hypothetical protein	0.4	0.1	4	0.5	0.1	3	0.7	0.1	3
OE1782F OE1783F	conserved hypothetical protein	0.4	0.1	4	0.5	0.1	3	0.7	0.1	3
OE2585R	•	0.5	0.0	4	0.5	0.1	ა 3	0.0	0.2	
	conserved hypothetical protein			-	_		_			0
orf178-02		0.5	0.1	4	0.3	0.0	3			0

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- ^{*1}All genes are tabulated which have a "translational repression factor" of ≤0.5 in exponential phase
- 5 and in stationary phase. The translational repression factor is the quotient of free RNA to polysome-
- 6 bound RNA (normalized to the average of all genes). If available, also the relative transcript levels of
- 7 these genes are listed (Quotient stationary phase / exponential phase). ORF numbers and gene
- 8 products were taken from the genome website www.halolex.mpg.de. The columns \emptyset , SD and n list
- 9 average value, standard deviation and number of repetitions.