

**Table S2. Complete stoichiometry of  $\Psi$  sites in BAC16-infected iSLK and SLK-uninfected cells that were treated with Dox and n-Butyrate for 48-hr, measured with HydraPsiSeq.** Data indicates the fraction pseudouridylated (PsiScore) measured in three replicates. Data are presented as mean +/- S.E.R. Highlighted in red are FC > 1.2 and highlighted in green are FC<0.8.

rRNA	$\Psi$ site	$\Psi$ -seq	HydraPsiSeq	Infected	Uninfected	Inf/Uninf
SSU	$\Psi$ 34			0.92+/-0.00	0.92+/-0.01	1.00
SSU	$\Psi$ 36			0.92+/-0.01	0.93+/-0.01	1.00
SSU	$\Psi$ 93			0.81+/-0.03	0.88+/-0.02	0.92
SSU	$\Psi$ 105			0.82+/-0.04	0.83+/-0.02	0.99
SSU	$\Psi$ 109			0.90+/-0.02	0.89+/-0.01	1.01
SSU	$\Psi$ 119			0.90+/-0.01	0.91+/-0.01	0.99
SSU	$\Psi$ 210			0.71+/-0.02	0.86+/-0.02	0.83
SSU	$\Psi$ 218			0.78+/-0.01	0.79+/-0.00	0.99
SSU	$\Psi$ 406			0.48+/-0.01	0.79+/-0.01	0.61
SSU	$\Psi$ 572			0.80+/-0.01	0.81+/-0.02	0.99
SSU	$\Psi$ 609			0.91+/-0.01	0.91+/-0.01	1.01
SSU	$\Psi$ 649			0.65+/-0.01	0.69+/-0.01	0.93
SSU	$\Psi$ 651			0.76+/-0.02	0.76+/-0.01	1.00
SSU	$\Psi$ 681			0.71+/-0.01	0.72+/-0.00	1.00
SSU	$\Psi$ 686			0.93+/-0.00	0.93+/-0.00	1.00
SSU	$\Psi$ 801			0.97+/-0.00	0.96+/-0.01	1.00
SSU	$\Psi$ 814			0.78+/-0.01	0.75+/-0.01	1.04
SSU	$\Psi$ 815			0.92+/-0.01	0.91+/-0.01	1.01
SSU	$\Psi$ 822			0.65+/-0.02	0.68+/-0.01	0.96
SSU	$\Psi$ 863			0.94+/-0.01	0.95+/-0.00	0.99
SSU	$\Psi$ 866			0.73+/-0.01	0.75+/-0.04	0.97
SSU	$\Psi$ 966 $\Psi$			0.96+/-0.00	0.96+/-0.00	1.00
SSU	$\Psi$ 1004			0.82+/-0.00	0.81+/-0.01	1.01
SSU	$\Psi$ 1056			0.93+/-0.01	0.93+/-0.01	0.99
SSU	$\Psi$ 1081			0.92+/-0.01	0.92+/-0.01	1.00
SSU	$\Psi$ 1174			0.91+/-0.00	0.91+/-0.00	1.01
SSU	$\Psi$ 1238			0.46+/-0.02	0.39+/-0.09	1.19
SSU	$\Psi$ 1244			0.98+/-0.00	0.99+/-0.00	1.00
SSU	$\Psi$ 1347			0.76+/-0.04	0.71+/-0.02	1.07
SSU	$\Psi$ 1367			0.74+/-0.02	0.73+/-0.01	1.01
SSU	$\Psi$ 1445			0.87+/-0.00	0.87+/-0.01	1.01
SSU	$\Psi$ 1625			0.90+/-0.00	0.90+/-0.01	1.00
SSU	$\Psi$ 1643			0.92+/-0.01	0.94+/-0.00	0.97
SSU	$\Psi$ 1692			0.87+/-0.01	0.86+/-0.00	1.00
5.8S	$\Psi$ 55			0.82+/-0.01	0.89+/-0.00	0.92
5.8S	$\Psi$ 69			0.93+/-0.00	0.93+/-0.00	1.00
LSU	$\Psi$ 1536			0.90+/-0.01	0.90+/-0.01	1.00

LSU	Ψ1582			0.95+/-0.00	0.97+/-0.01	0.99
LSU	Ψ1677			0.96+/-0.00	0.97+/-0.00	0.99
LSU	Ψ1683			0.94+/-0.00	0.94+/-0.01	0.99
LSU	Ψ1744			0.85+/-0.01	0.85+/-0.01	1.01
LSU	Ψ1782			0.82+/-0.01	0.78+/-0.03	1.06
LSU	Ψ1792			0.90+/-0.00	0.90+/-0.00	1.00
LSU	Ψ1860			0.89+/-0.01	0.88+/-0.01	1.01
LSU	Ψ1862			0.70+/-0.01	0.70+/-0.01	0.99
LSU	Ψ2508			0.86+/-0.02	0.90+/-0.00	0.96
LSU	Ψ3637			0.94+/-0.00	0.95+/-0.00	0.99
LSU	Ψ3639			0.70+/-0.02	0.72+/-0.04	0.98
LSU	Ψ3695	Hyper		0.80+/-0.01	0.82+/-0.01	0.98
LSU	Ψ3715			0.95+/-0.00	0.95+/-0.00	1.00
LSU	Ψ3758	Hyper		0.92+/-0.01	0.92+/-0.01	1.01
LSU	Ψ3770			0.72+/-0.01	0.79+/-0.04	0.91
LSU	Ψ3844			0.94+/-0.00	0.94+/-0.00	1.00
LSU	Ψ3851			0.85+/-0.01	0.87+/-0.01	0.98
LSU	Ψ3853			0.91+/-0.00	0.91+/-0.01	1.00
LSU	Ψ3884		Hypo	0.27+/-0.03	0.50+/-0.05	0.54
LSU	Ψ3920			0.81+/-0.01	0.80+/-0.01	1.01
LSU	Ψ3959			0.95+/-0.00	0.95+/-0.00	1.00
LSU	Ψ4299			0.71+/-0.01	0.70+/-0.01	1.02
LSU	Ψ4312			0.92+/-0.01	0.93+/-0.00	1.00
LSU	Ψ4353			0.88+/-0.00	0.87+/-0.00	1.01
LSU	Ψ4361	hyper		0.71+/-0.02	0.75+/-0.01	0.94
LSU	Ψ4431			0.92+/-0.02	0.93+/-0.02	0.99
LSU	Ψ4442			0.91+/-0.00	0.91+/-0.00	1.00
LSU	Ψ4457	hyper		0.95+/-0.01	0.95+/-0.00	1.00
LSU	Ψ4471			0.92+/-0.00	0.89+/-0.02	1.04
LSU	Ψ4500			0.78+/-0.07	0.76+/-0.04	1.03
LSU	Ψ4521	hypo		0.98+/-0.02	1.00+/-0.00	0.98
LSU	Ψ4532			0.94+/-0.00	0.94+/-0.02	1.00
LSU	Ψ4552			0.94+/-0.01	0.94+/-0.01	1.00
LSU	Ψ4576			0.80+/-0.01	0.79+/-0.03	1.01
LSU	Ψ4579			0.75+/-0.01	0.78+/-0.01	0.96
LSU	Ψ4628			0.74+/-0.02	0.72+/-0.01	1.02
LSU	Ψ4636	hypo	Hyper	0.24+/-0.04	0.18+/-0.08	1.35
LSU	Ψ4673			0.81+/-0.01	0.78+/-0.01	1.04
LSU	Ψ4689	hypo		0.82+/-0.02	0.83+/-0.01	0.99
LSU	Ψ4972			0.86+/-0.00	0.85+/-0.01	1.01
LSU	Ψ4973	Hyper	Hyper	0.31+/-0.02	0.25+/-0.01	1.25
LSU	Ψ5001			0.77+/-0.01	0.77+/-0.01	1.00
LSU	Ψ5010			0.86+/-0.01	0.89+/-0.01	0.97