

Class	Code	Microarray																			STM				AG	HTE score	
		Aerobiosis	Bacitracin	LL-37	Nisin	Chloramphenicol	CiaRH mutant	CSP	Erythromycin	Lung epithelial cells	Low pH	Mn accumulation	Mn extracellular	Novobiocin	Penicillin	PsaR	Serial Passage	Temperature	Tetracycline	CSF infection	Epithelial cell contact	Ear infection	Lung Infection	Meningitis	Nasal colonization		ANTIGENome
HIC	spr0004																										0.75
	spr0084																D										3.25
	spr0175																D										1.00
	spr0177																D										1.00
	spr0479																A										2.50
	spr0675																										1.00
	spr0710																										0.50
	spr0747																										2.25
	spr1010																	D									0.50
	spr1327																										0.50
	spr1424																	B									0.50
	spr1506																										1.00
	spr1658																										0.25
	spr1719																										1.00
	spr1851																										0.25
	spr2028																										0.50
	spr2030																										1.00
Non-HIC	spr0331																										1.50
	spr0580																										1.00
	spr0804																D										1.00
	spr0929																										2.25
	spr0930																B										3.75
	spr0991																										0.25
	spr1000																										1.50
	spr1035																										3.25
	spr1158																	D									0.50
	spr1356																	D									0.50
	spr1418																										1.50
	spr1611																										0.50
	spr1625																	D									5.00
	spr1806																	D									5.00
	spr1810																	D									1.50
	spr1865																	D									1.75
	spr2010																	D									2.00

Figure S1 HTE occurrence matrix under different assay types and conditions. Up- (red cells) and down- (green cells) regulation in microarray experiments. Presence (blue cells) in STM or antigenome assays. Response to temperature: A, B and D genes enhance expression at 33°C, 40°C and 21°C, respectively [1]. Conditions in orange involve more than 500 genes, a fact that was considered to calculate the HTE-score. Only conditions affecting members of the protein list of this work and genes with HTE scores>0 are shown. For further details see Methods and Additional file 3: Table S3.

References

1. Pandya U, Allen CA, Watson DA, Niesel DW: **Global profiling of *Streptococcus pneumoniae* gene expression at different growth temperatures.** *Gene* 2005, **360**: 45-54.