

## Supplementary material:

**Table 1:** Regulatory information collected in ShewRegDB

Source	Class of the Regulatory Element	Number of Elements	Number of Sites	Computational predictions(C) /Manual annotation (M)	Reference
TractorDB	DNA regulator Binding Site	20	589	C	[5]
RegTransBase	DNA regulator Binding Site	5	36	M	[24]
WUSTL	DNA regulator Binding Site	23	97	C	[6]
ShewRegDB	DNA regulator Binding Site	3	359	M	
PromScan	DNA regulator Binding Site (Sigma Factor Binding Sites)	1	383	C	[23]
Rfam	RNA regulator (ncRNA)	17	135	C	[7]
RibEx	RNA regulator (RLEs)		129	C	[8]
WUSTL (RSSVM)	RNA regulator (ncRNA)		953	C	[25]
RibEx	RNA regulator (Attenuators)		1767	C	[8]
TransTermHP	RNA regulator (rho-independent terminators)		81457	C	[9]
MicrobesOnline	Operon	2601		C	[22]
ODB	Operon	856		C	[26]
Shewybase	Operon	406		C	Michael Molla, Tim Gardner , personal communication
ShewCyc	Operon	2968		C	[27]
DOOR	Operon	2773		C	[28]
MESS	Operon	2943		M	Margaret R. Romine, personal communication