

This file contains p-value matrices for each figure in Kaerberlein, Kirkland, Fields, and Kennedy. PLOS 2004. Each matrix contains the Wilcoxon Rank-Sum p-values for a 2-tailed test in which the life span data for the strain in the corresponding row is compared against the life span data for the strain in the corresponding column. Significant p-values ( $p < .05$ ) are colored yellow. P-values were calculated using the MATLAB ranksum function.

**FIGURE 1B**

	BY4742	fob1	gpa2	gpr1	hxx2
BY4742					
fob1		6.33E-14	1.49E-04	1.55E-03	4.11E-08
gpa2			1.84E-01	1.45E-01	2.88E-01
gpr1				8.17E-01	6.73E-01
hxx2					4.73E-01

**FIGURE 1C**

	BY4742	fob1	hxx2	fob1 hxx2
BY4742				
fob1		2.44E-15	5.69E-09	0.00E+00
hxx2			2.88E-01	6.54E-06
fob1 hxx2				3.68E-06

**FIGURE 1D**

	BY4742	fob1	gpa2	fob1 gpa2
BY4742				
fob1		6.57E-14	3.02E-04	1.24E-14
gpa2			1.84E-01	2.16E-07
fob1 gpa2				3.41E-06

**FIGURE 2A**

	BY4742	sir2	hxx2 sir2	gpa2 sir2
BY4742		4.37E-26	2.02E-14	1.34E-18
sir2			1.63E-02	1.15E-04
hxx2 sir2				3.87E-01
gpa2 sir2				

**FIGURE 2B**

	BY4742	sir2	sir2 fob1
BY4742		1.95E-28	4.28E-02
sir2			3.96E-25
sir2 fob1			

**FIGURE 2C**

	BY4742	sir2 fob1	sir2 fob1 hxx2
BY4742		1.52E-02	1.43E-12
sir2 fob1			6.02E-09
sir2 fob1 hxx2			

**FIGURE 2D**

	BY4742	sir2 fob1	sir2 fob1 gpa2
BY4742		1.52E-02	3.35E-13
sir2 fob1			9.53E-11
sir2 fob1 gpa2			

