

**TABLE S2 Percent Reads Mapped of RNA-Seq Data**

Strain	Alias	Replicate	Total Reads	Reads Mapped	% Reads Mapped	% Mapped Non-uniquely
JRY9316	Wild type	A	15,747,860	14,480,231	92	6.94
JRY9316	Wild type	B	20,204,590	18,636,063	92	6.76
JRY9316	Wild type	C	19,988,764	18,323,263	91.7	8.98
JRY9720	<i>sir2Δ</i>	A	13,176,140	12,290,225	93	7.58
JRY9721	<i>sir2Δ</i>	B	13,865,402	12,737,081	92	6.10
JRY9722	<i>sir2Δ</i>	C	12,505,868	11,519,936	92.1	6.71
JRY9723	<i>sir3Δ</i>	A	19,925,570	18,454,658	92.6	6.8
JRY9724	<i>sir3Δ</i>	B	20,806,146	19,352,189	93	6.45
JRY9725	<i>sir3Δ</i>	C	19,655,418	18,102,386	92.1	6.43
JRY9726	<i>sir4Δ</i>	A	14,217,780	12,973,038	91	5.51
JRY9727	<i>sir4Δ</i>	B	15,272,748	14,043,542	92	6.20
JRY9728	<i>sir4Δ</i>	C	13,785,048	12,561,860	91	5.85