

**Table S2.** High structural similarity homologs of MazF-at using J-pred server.

<b>PDB</b>	<b>Chain</b>	<b>Description</b>	<b>Blast E-value</b>
2c06	B	KID TOXIN PROTEIN	1.00E-13
2c06	A	KID TOXIN PROTEIN	1.00E-13
1m1f	B	Kid toxin protein	1.00E-13
1m1f	A	Kid toxin protein	1.00E-13
5cr2	C	Endoribonuclease MazF	8.00E-08
5cr2	B	Endoribonuclease MazF	8.00E-08
5cr2	A	Endoribonuclease MazF	8.00E-08
5co7	F	Endoribonuclease MazF	8.00E-08
5co7	E	Endoribonuclease MazF	8.00E-08
5co7	D	Endoribonuclease MazF	8.00E-08
5co7	C	Endoribonuclease MazF	8.00E-08
5co7	B	Endoribonuclease MazF	8.00E-08
5co7	A	Endoribonuclease MazF	8.00E-08
5ckb	B	Endoribonuclease MazF	8.00E-08
5ckb	A	Endoribonuclease MazF	8.00E-08
5ck9	B	Endoribonuclease MazF	8.00E-08
5ck9	A	Endoribonuclease MazF	8.00E-08
3nfc	F	PemK-like protein 1	8.00E-08
3nfc	E	PemK-like protein 1	8.00E-08
3nfc	D	PemK-like protein 1	8.00E-08
3nfc	C	PemK-like protein 1	8.00E-08
3nfc	B	PemK-like protein 1	8.00E-08
3nfc	A	PemK-like protein 1	8.00E-08
1ub4	B	MazF protein	3.00E-07
1ub4	A	MazF protein	3.00E-07
5cqy	B	Endoribonuclease MazF	4.00E-07
5cqy	A	Endoribonuclease MazF	4.00E-07
5cqx	B	Endoribonuclease MazF	4.00E-07
<u>5cqx</u>	A	Endoribonuclease MazF	4.00E-07
<u>5ckh</u>	B	Endoribonuclease MazF	4.00E-07
<u>5ckh</u>	A	Endoribonuclease MazF	4.00E-07
<u>5ckf</u>	B	Endoribonuclease MazF	4.00E-07
<u>5ckf</u>	A	Endoribonuclease MazF	4.00E-07
<u>5cke</u>	B	Endoribonuclease MazF	4.00E-07
<u>5cke</u>	A	Endoribonuclease MazF	4.00E-07
<u>5ckd</u>	B	Endoribonuclease MazF	4.00E-07
<u>5ckd</u>	A	Endoribonuclease MazF	4.00E-07
<u>7bye</u>	F	Uncharacterized protein	3.00E-06
<u>7bye</u>	E	Uncharacterized protein	3.00E-06
<u>7bye</u>	C	Uncharacterized protein	3.00E-06
<u>7bye</u>	B	Uncharacterized protein	3.00E-06