

Table S1. Secondary structure contents of (A) RiLK1 and (B) 1018-K6 at 50 μ M concentration in water pH 4 in presence of different concentrations of SDS determined by Dichroweb server (K2D).

A

	α -helix	β -sheet	Random coil
SDS 50 mM	27%	32%	40%
SDS 150 mM	27%	33%	40%

B

	α -helix	β -sheet	Random coil
SDS 50 mM	0%	100%	0%
SDS 150 mM	0%	100%	0%

Table S2. Secondary structure contents of **(A)** RiLK1 and **(B)** 1018-K6 at different concentrations in water pH 4.0 in presence of 50 mM SDS determined by Dichroweb server (K2D).

A

	α -helix	β -sheet	Random coil
RiLK1 12.5 μM	8%	46%	46%
RiLK1 25 μM	8%	45%	47%
RiLK1 50 μM	19%	32%	49%

B

	α -helix	β -sheet	Random coil
1018-K6 12.5 μM	35%	15%	50%
1018-K6 25 μM	21%	54%	25%
1018-K6 50 μM	12%	82%	5%

Table S3. Secondary structure contents of (A) 1018-K6 and (B) RiLK1 50 μ M concentration in water pH 4 in presence of 150 mM SDS at different times determined by Dichroweb server (K2D).

A		α-helix	β-sheet	Random coil
	t=0 with SDS	0%	100%	0%
	t=5 min	0%	100%	0%
	t=10 min	7%	90%	3%
	t=30 min	0%	99%	0%
	t=60 min	8%	89%	3%
	t=90 min	9%	96%	1%
	t=120 min	9%	96%	1%
	t=150 min	7%	90%	3%
	t=180 min	6%	92%	3%
	t=240 min	13%	82%	5%
	t=300 min	14%	80%	6%
	t=360 min	12%	83%	5%
	t=1320 min	12%	83%	5%
	t=1440 min	14%	80%	6%

B		α-helix	β-sheet	Random coil
	t=0 with SDS	11%	35%	54%
	t=5 min	21%	31%	48%
	t=10 min	9%	42%	49%
	t=30 min	11%	37%	52%
	t=60 min	11%	37%	52%
	t=90 min	13%	34%	53%
	t=120 min	8%	43%	48%
	t=150 min	11%	36%	53%
	t=180 min	22%	30%	48%
	t=240 min	15%	34%	51%
	t=300 min	10%	38%	52%
	t=360 min	21%	31%	48%
	t=1320 min	26%	33%	41%
	t=1440 min	25%	32%	43%

Table S4. Secondary structure contents of (A) 1018-K6 and (B) RiLK1 at 50 μ M concentration in water at different pHs in presence of 150 mM SDS determined by Dichroweb server (K2D).

A

		α -helix	β -sheet	Random coil
pH 2.0	t=0 with SDS	9%	87%	4%
	t=24 h	4%	94%	2%
	t=48 h	9%	87%	4%
pH 7.0	t=0 with SDS	0%	100%	0%
	t=24 h	4%	94%	2%
	t=48 h	0%	100%	0%
pH 12.0	t=0 with SDS	79%	0%	21%
	t=24 h	62%	6%	31%
	t=48 h	58%	9%	34%

B

		α -helix	β -sheet	Random coil
pH 2.0	t=0 with SDS	11%	37%	52%
	t=24 h	7%	51%	42%
	t=48 h	8%	46%	47%
pH 7.0	t=0 SDS	7%	51%	42%
	t=24 h	8%	45%	47%
	t=48 h	7%	51%	42%
pH 12.0	t=0 with SDS	10%	35%	55%
	t=24 h	7%	48%	45%
	t=48 h	7%	51%	42%

Table S5. Secondary structure contents of (A) 1018-K6 and (B) RiLK1 at 50 μ M concentration in water pH 4.0 in presence of 150 mM SDS at different temperatures determined by Dichroweb server (K2D).

A

		α -helix	β -sheet	Random coil
4 °C	t=0 with SDS	0%	100%	0%
	t=24 h	0%	100%	0%
	t=48 h	1%	99%	1%
37 °C	t=0 with SDS	0%	100%	0%
	t=24 h	0%	100%	0%
	t=48 h	2%	96%	2%
90 °C	t=0 with SDS	0%	100%	0%
	t=24 h	2%	51%	47%
	t=48 h	12%	39%	49%

B

		α -helix	β -sheet	Random coil
4 °C	t=0 with SDS	8%	44%	48%
	t=24 h	7%	51%	42%
	t=48 h	8%	45%	47%
37 °C	t=0 with SDS	8%	44%	48%
	t=24 h	7%	51%	42%
	t=48 h	7%	48%	44%
90 °C	t=0 with SDS	8%	44%	48%
	t=24 h	7%	51%	42%
	t=48 h	7%	50%	42%