Table S1: Oligonucleotides used in this study

Name	Sequence	Description
EDR262	GCATCAGCACTGGTAACATTGG	Antisense primer binding to nucleotides 689-710 of the *SUP35* open reading frame
EDR301	CGTCACAGTGTTCGAGTCTG	Sense primer binding 398-379 nucleotides before the *SUP35* start codon
EDR302	GGCAGAATATCTGTCAACCACAC	Sense primer binding 514-492 nucleotides before the *SUP35* start codon
EDR304	GTTTCGTACTCACCCTTTCTGG	Antisense primer binding to nucleotides 1133-1112 of the *SUP35* open reading frame
EDR1314	TCCTTTCAAGTTAGATATTGTTTTCCCTTCACTTATATTCTATTTCAGATTGTACTGAGAGTGCACC	Sense primer to amplify HIS3 from pRS313. Used to knock out the *HIS3* gene in YER632/pJ533 to make YER709
EDR1315	CTAAAAACCAATGTGCTTTCCAGGCAAAACCAATCTTAGCAACAGCTACATAAGAACACCTTTGGTGGAG	Antisense primer to amplify HIS3 from pRS313. Used to knock out the *HIS3* gene in YER632/pJ533 to make YER709
EDR1377	CTGGGTACCAACAAGGTGGCTATCAACAGTACAATNNBNNBNNBNNBNNBNNBNNBNNBNNBCCTCAAGGAGGCTACCAGCAATACAAC	Sense primer to mutagenize the third repeat of the Sup35 ORD. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1380	GCAAAACTACCAGCAATACAGCCAGAACGGTNNBNNBNNBNNBNNBNNBNNBTACCAAGGCTACCAGGCTTACAATGC	Sense primer to mutagenize amino acids 21-28 in the Sup35 ND. Spans nucleotides 30-110 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1388 to make conservative changes that facilitate binding.
EDR1384	GAGGCTACCAGCAATACAACCCTCAAGGCGGTTATCAGCAGCAATTCAATCC	Sense primer spanning nucleotides 230-281 of the *SUP35* open reading frame, making a series of conservative changes to facilitate binding by EDR1377.
EDR1385	GATAGCCACCTTGTTGGTACCCAG	Antisense primer binding to nucleotides 181-158 of the *SUP35* open reading frame. Complementary to the non-degenerate 5' region of EDR1377.
EDR1388	CAAGGCTACCAGGCTTACAATGCTCAAGCCCAACCTGCAG	Sense primer spanning nucleotides 88-127 of the *SUP35* open reading frame, making a series of conservative changes to facilitate binding by EDR1380.
EDR1389	GTTCTGGCTGTATTGCTGGTAGTTTTGCTGATTGTTGCCTTGGTTTGAATCC	Antisense primer binding to nucleotides 57-6 of the *SUP35* open reading frame. Complementary to the non-degenerate 5' region of EDR1380.
EDR1471	CTGGGTACCAACAAGGTGGCTATCAACAGTACAATCCAGTTTATGATCATATTTATTATGCTTCTCCTCAAGGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to PVYDHIYYAS. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1472	CTGGGTACCAACAAGGTGGCTATCAACAGTACAATTATAATGGTATTAATGCTTATTTGTTTAATCCTCAAGGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to YNGINAYLFN. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1473	CTGGGTACCAACAAGGTGGCTATCAACAGTACAATACTGCTAGATATGGTGCTGCTTTTGGTTATCCTCAAGGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to TARYGAAFGY. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1480	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT	Sense to mutate the third repeat of the SUP35 ORD to LIVVIGFIPT. Spans nucleotides 158-249 of

	TTGATTGTTGTTATTGGTTTTATTCCAACTCCTCAA GGAGGCTACCAGCAATACAAC	*SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1481	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT GATGATACTAATTTTAGATGTTTGATTAGACCTCA AGGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to DDTNFRCLIR. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1482	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT GGTAGAGTTTTGTTTAGAAATGGTATTGGTCCTCA AGGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to GRVLFRNGIG. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1490	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT GGTGCTATTAATTATACTTATTGTGTTGCTCCTCAA GGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to GAINYTYCVA. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1491	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT TATAATATTACTTATGATGTTACTTATAATCCTCAA GGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to YNITYDVTYN. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1492	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT TTTATTGATTATGCTCCACCAAATGCTTATCCTCAA GGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to FIDYAPPNAY. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1493	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT ACTAGACCAGATCCAATTTGTAATTTGAGACCTCA AGGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to TRPDPICNLR. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1494	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT AGAGATATTTGTCCAAGAATTTTTCCAGATCCTCA AGGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to RDICPRIFPD. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1495	CTGGGTACCAACAAGGTGGCTATCAACAGTACAAT TTGATTTTGGCTTTGAGAAATAATATTAATCCTCAA GGAGGCTACCAGCAATACAAC	Sense to mutate the third repeat of the SUP35 ORD to LILALRNNIN. Spans nucleotides 158-249 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1384 to make conservative changes that facilitate binding.
EDR1890	CAGCAGCAGTTCAACCCACAAGGTGGCCGTGGAA ATTACAAAAACTTC	Sense primer spanning nucleotides 265-312 of the *SUP35* open reading frame, making a series of conservative changes to facilitate binding of EDR1892-1895 and 2156-2158.
EDR1891	ACCGGCGTCGGGATTGTACTG	Antisense primer binding to nucleotides 204-184 of the *SUP35* open reading frame. Complementary to the 5’ ends of EDR1892-1895 and 2156-2158.
EDR1892	CAGTACAATCCCGACGCCGGTTTACAGCAACAATT GAATCCTCAAGGAGGCTTACAACAATTGAATCCTC AAGGCGGTTTACAGCAGCAGTTCAACCCAC	Sense primer to mutate the tyrosines in the third through fifth repeats of the Sup35 ORD to leucine. Spans nucleotides 184-283 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1890 to make conservative changes that facilitate binding.
EDR1893	CAGTACAATCCCGACGCCGGTGTTCAGCAACAAGT TAATCCTCAAGGAGGCGTACAACAAGTCAATCCTC AAGGCGGTGTTCAGCAGCAGTTCAACCCAC	Sense primer to mutate the tyrosines in the third through fifth repeats of the Sup35 ORD to valine. Spans nucleotides 184-283 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1890 to make conservative changes that facilitate binding.
EDR1894	CAGTACAATCCCGACGCCGGTTTTCAGCAACAATT	Sense primer to mutate the tyrosines in the third through fifth repeats of the Sup35 ORD to

	CAATCCTCAAGGAGGCTTTCAACAATTTAATCCTC AAGGCGGTTTCCAGCAGCAGTTCAACCCAC	phenylalanine. Spans nucleotides 184-283 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1890 to make conservative changes that facilitate binding.
EDR1895	CAGTACAATCCCGACGCCGGTATTCAGCAACAAAT CAATCCTCAAGGAGGCATACAACAAATTAATCCTC AAGGCGGTATACAGCAGCAGTTCAACCCAC	Sense primer to mutate the tyrosines in the third through fifth repeats of the Sup35 ORD to isoleucine. Spans nucleotides 184-283 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1890 to make conservative changes that facilitate binding.
EDR2156	CAGTACAATCCCGACGCCGGTTGGCAGCAACAATG GAATCCTCAAGGAGGCTGGCAACAATGGAATCCTC AAGGCGGTTGGCAGCAGCAGTTCAACCCAC	Sense primer to mutate the tyrosines in the third through fifth repeats of the Sup35 ORD to tryptophan. Spans nucleotides 184-283 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1890 to make conservative changes that facilitate binding.
EDR2157	CAGTACAATCCCGACGCCGGTGCACAGCAACAAG CTAATCCTCAAGGAGGCGCACAACAAGCTAATCCT CAAGGCGGTGCTCAGCAGCAGTTCAACCCAC	Sense primer to mutate the tyrosines in the third through fifth repeats of the Sup35 ORD to alanine. Spans nucleotides 184-283 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1890 to make conservative changes that facilitate binding.
EDR2158	CAGTACAATCCCGACGCCGGTATGCAGCAACAAAT GAATCCTCAAGGAGGCATGCAACAAATGAATCCTC AAGGCGGTATGCAGCAGCAGTTCAACCCAC	Sense primer to mutate the tyrosines in the third through fifth repeats of the Sup35 ORD to methionine. Spans nucleotides 184-283 of *SUP35*, but does not bind directly to the *SUP35* open reading frame. Requires pre-amplification with EDR1890 to make conservative changes that facilitate binding.

Table S2: Plasmids

Name	Type	Markers	Description	Experiment used	Reference
pER589	cen	*URA3, amp^R*	P_{SUP35}-*SUP35MC*; modified version of pJ533	Prion formation library experiments	This study
pJ533	cen	*URA3, amp^R*	P_{SUP35}-*SUP35*	Prion maintenance library experiments	1
pJ526	cen	*LEU2, amp^R*	P_{SUP35}-*GFP-SUP35MC*	Cloning vector for pER635-637, 642-650, 761-764, and 923-925	2
pER1112	cen	*URA3, amp^R*	P_{SUP35}-*SUP35-27*; modified version of pJ533	Prion maintenance library experiments	This study
pER188	cen	*LEU2, amp^R*	P_{SUP35}-*GFP-SUP35-27*	Fig. 3B	2
pER613	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence GGCNGEVFFH	Fig. 3B	This study
pER614	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence PHFALVHSTH	Fig. 3B	This study
pER615	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence VIVDRGQICG	Fig. 3B	This study
pER616	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence IDYSGRSLLL	Fig. 3B	This study
pER635	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence PVYDHIYYAS	Fig. 5	This study
pER636	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence YNGINAYLFN	Fig. 5	This study
pER637	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence TARYGAAFGY	Fig. 5	This study
pER642	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence LIVVIGFIPT	Fig. 5	This study

pER643	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence DDTNFRCLIR	Fig. 5	This study
pER644	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence GRVLFRNGIG	Fig. 5	This study
pER645	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence GAINYTYCVA	Fig. 5	This study
pER646	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence YNITYDVTYN	Fig. 5	This study
pER647	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence FIDYAPPNAY	Fig. 5	This study
pER648	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence. TRPDPICNLR	Fig. 5	This study
pER649	cen	*LEU2*, *amp*^{R}	Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence RDICPRIFPD	Fig. 5	This study
pER650	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the third repeat of the ORD has been replaced with the sequence LILALRNNIN	Fig. 5	This study
pER761	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the tyrosines in the third through fifth repeats of the ORD have been replaced with leucines	Fig. 6	This study
pER762	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the tyrosines in the third through fifth repeats of the ORD have been replaced with isoleucines	Fig. 6	This study
pER763	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the tyrosines in the third through fifth repeats of the ORD have been replaced with valines	Fig. 6	This study
pER764	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the tyrosines in the third through fifth repeats of the ORD have been replaced with phenylalanines	Fig. 6	This study
pER923	cen	*LEU2*, *amp*^{R}	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the tyrosines in the third through fifth repeats of the	Fig. 6	This study

			ORD have been replaced with tryptophans		
pER924	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the tyrosines in the third through fifth repeats of the ORD have been replaced with alanines	Fig. 6	This study
pER925	cen	*LEU2, amp^R*	Modified version of pJ526. Expresses from the *SUP35* promoter a modified version of Sup35 in which the tyrosines in the third through fifth repeats of the ORD have been replaced with methionines	Fig. 6	This study
pKT24	2 µm	*TRP1, amp^R*	Vector for building induction plasmids. Contains the *GAL1* promoter and *ADH1* terminator, with a multiple cloning site in between.	Fig. 6C, E; Cloning vector for induction plasmids	2
pER548	2 µm	*TRP1, amp^R*	Modified version of pKT24. Expresses Sup35NM (the N-terminal PFD and middle domain) from the *GAL1* promoter	Fig. 6C, E	2
pER756	2 µm	*TRP1, amp^R*	Modified version of pKT24. Expresses from the *GAL1* promoter a modified version of Sup35NM in which the tyrosines in the third through fifth repeats of the ORD have been replaced with leucines	Fig. 6C, E	This study
pER757	2 µm	*TRP1, amp^R*	Modified version of pKT24. Expresses from the *GAL1* promoter a modified version of Sup35NM in which the tyrosines in the third through fifth repeats of the ORD have been replaced with isoleucines	Fig. 6C, E	This study
pER758	2 µm	*TRP1, amp^R*	Modified version of pKT24. Expresses from the *GAL1* promoter a modified version of Sup35NM in which the tyrosines in the third through fifth repeats of the ORD have been replaced with valines	Fig. 6C, E	This study
pER759	2 µm	*TRP1, amp^R*	Modified version of pKT24. Expresses from the *GAL1* promoter a modified version of Sup35NM in which the tyrosines in the third through fifth repeats of the ORD have been replaced with phenylalanines	Fig. 6C, E	This study
pER926	2 µm	*TRP1, amp^R*	Modified version of pKT24. Expresses from the *GAL1* promoter a modified version of Sup35NM in which the tyrosines in the third through fifth repeats of the ORD have been replaced with tryptophans	Fig. 6C, E	This study
pER955	2 µm	*TRP1, amp^R*	Modified version of pKT24. Expresses from the *GAL1* promoter a modified version of Sup35NM in which the tyrosines in the third through fifth repeats of the ORD have been replaced with alanines	Fig. 6C, E	This study
pER956	2 µm	*TRP1, amp^R*	Modified version of pKT24. Expresses from the *GAL1* promoter a modified version of Sup35NM in which the tyrosines in the third through fifth repeats of the ORD have been replaced with methionines	Fig. 6C, E	This study
pER760	2 µm	*TRP1, amp^R*	Expresses yeast-optimized GFP (3) from the *GAL1* promoter. Contains BamHI and XhoI restrictions sites immediately before GFP to allow for in-frame GFP fusions.	Fig. 6B; Cloning vector for all GFP fusions	4
pER851	2 µm	*TRP1, amp^R*	Modified version of pER760, expressing Sup35NM-GFP from the *GAL1* promoter.	Fig. 6B	4

pER1003	2 µm	*TRP1*, *amp*^{R}	Modified version of pER760. Expresses from the *GAL1* promoter a modified version of Sup35NM-GFP in which the tyrosines in the third through fifth repeats of the Sup35 ORD have been replaced with leucines.	Fig. 6B	This study
pER1004	2 µm	*TRP1*, *amp*^{R}	Modified version of pER760. Expresses from the *GAL1* promoter a modified version of Sup35NM-GFP in which the tyrosines in the third through fifth repeats of the ORD have been replaced with isoleucines	Fig. 6B	This study
pER1006	2 µm	*TRP1*, *amp*^{R}	Modified version of pER760. Expresses from the *GAL1* promoter a modified version of Sup35NM-GFP in which the tyrosines in the third through fifth repeats of the ORD have been replaced with alanines	Fig. 6B	This study
pER1007	2 µm	*TRP1*, *amp*^{R}	Modified version of pER760. Expresses from the *GAL1* promoter a modified version of Sup35NM-GFP in which the tyrosines in the third through fifth repeats of the ORD have been replaced with methionines	Fig. 6B	This study
pER1015	2 µm	*TRP1*, *amp*^{R}	Modified version of pER760. Expresses from the *GAL1* promoter a modified version of Sup35NM-GFP in which the tyrosines in the third through fifth repeats of the ORD have been replaced with tryptophan	Fig. 6B	This study
pER1035	2 µm	*TRP1*, *amp*^{R}	Modified version of pER760. Expresses from the *GAL1* promoter a modified version of Sup35NM-GFP in which the tyrosines in the third through fifth repeats of the ORD have been replaced with phenylalanines	Fig. 6B	This study
pER1238	2 µm	*TRP1*, *amp*^{R}	Modified version of pER760. Expresses from the *GAL1* promoter a modified version of Sup35NM-GFP in which the tyrosines in the third through fifth repeats of the ORD have been replaced with valines	Fig. 6B	This study

Plasmids are listed in the order that they appear in the text.

References

1. **Song, Y., Y. X. Wu, G. Jung, Y. Tutar, E. Eisenberg, L. E. Greene, and D. C. Masison.** 2005. Role for Hsp70 chaperone in Saccharomyces cerevisiae prion seed replication. Eukaryot. Cell **4:**289-97.
2. **Ross, E. D., H. K. Edskes, M. J. Terry, and R. B. Wickner.** 2005. Primary sequence independence for prion formation. Proc. Natl. Acad. Sci. USA **102:**12825-12830.
3. **Cormack, B. P., G. Bertram, M. Egerton, N. A. Gow, S. Falkow, and A. J. Brown.** 1997. Yeast-enhanced green fluorescent protein (yEGFP)a reporter of gene expression in Candida albicans. Microbiology **143:**303-11.
4. **Gonzalez Nelson, A. C., K. R. Paul, M. Petri, N. Flores, R. A. Rogge, S. M. Cascarina, and E. D. Ross.** 2014. Increasing prion propensity by hydrophobic insertion. PLoS ONE **9:**e89286.

Table S3. Sequences of the mutagenized region from each library. Asterisks indicate non-propagating clones that were analyzed for presence of a species barrier.

Prion formation libraries				Prion propagation libraries			
ND Library		ORD library		Standard method		With preselection for ability to add onto wild-type aggregates	
Unselected	[*PSI*$^+$]	Unselected	[*PSI*$^+$]	Red ([*psi*$^-$])	White ([*PSI*$^+$])	Red ([*psi*$^-$])	White ([*PSI*$^+$])
LIARSNHC	RNVFLVGL	PTDVCASFVR	FYGVLVCHVV	RGVYCAVIGA	PYSYVRCSCD	VAFITAYFRF	SYISGSNVVR
LRGGGGHI	YHMIGVVW	RVFGVSFGVV	YYPIVVTGTS	NFRPLHAVAR	YTGGISAAGT	CSAPYNYFSY	GALNNFDLSH
LRIILDGA	GFFTSSVF	SGGIHRTGYG	FHGAFSAVAG	LYTYDASMAF	CPCAPLGCDW	MVLHNFASHF	SCPRRSGSNG
RRAYFSLP	GYLSSCVF	RGLCRWQGES	STVYMCASGN	SRIRRRTSFH	IVAPVHGWSC	DMYSFYGGEL	NRPAFFPHRD
CGAHDGGR	GGTFIFGC	LIGAGATGPF	VGGVFVCNLR	AHCSGFSGRV	HYAAGYPCAS	VFSGFYYFSI	NGPGCAIRNT
LTWLWTLD	VNRVTCNV	AFCRAGADFD	TFNIYPNGVH	VWCRGSVDAL	VYDRRGVGRE	NLCCGWVHGA	GHSDHSQVRC
CVCCGLDG	AITICGGV	PFNHLACVEL	GIIFGFHSYY	HARTSMDHLA	VRSGYYLYNY	AIPVVHFMCC	FAGGRIGPDI
SCGSNVML	FVGAFGIF	SGAALVDLCS	ADFSHVSGYG	RHDITVNFGD	SGSFCSFGRY	TFHCAHAAQS	DAVYGCTRKS
RYGSALWC	YISVYVAG	IIRFIERDRH	NFSSYPGRVY	IDHVISDSFR	LPGYGNHEFV	VNVLWVSHNA	VAACSFLADL
AYNVSQRF	CGYFNAYC	TLSRYCVHSP	ADSCFLGAFC	YAVVGSANHC	QFCQASFSAG	NGFCVCSFTR	VAGSRSVECV
PIRGNVLM	RDAIYYSR	YSIGCGVYTR	TAGGLSMDIS	SRCSHVSISR	HHVPWVSTNC	SFGFRYCAFS	VTIHARNGND
SLHYLGWG	TGNGGPGL	DMAQGYGHGC	IAALYVPMSG	RFGGTDDVDV	SPTPGLYAAS	IGHPYYRHTG	RGERMGVYVG
TRIRRICV	GACNGLFV	SSIRPNPSAY	CAENLIGWFN	FAISRSVLRG	DGYHFCQWDC	NLYDFYFSSR	YHDDADSEGV
DHALGDWG	TSYVFGPC	YDYRYSSYAA	LLSCGIGSFA	HYVVASGDRR	PLRGFYYHAF	GISVAHLPFF	SVVNVSVDSG
RVVRASPS	GLICHIYN	RAFRGVDNTW	SFLYYFDVCA	RRSTAVMHVA	GFYYSGIRDT	IIHFSVGSAF	GGLVVMDVTH
QCASTGIS	NVMWLTSG	VIRGFCVSGR	HLCFDSNRCH	RRTRTRVRCT	GSNGYPGNCW	GHYGWFLGSF	FYGVVSCYSR
IGSQSPCA	FHVEIYLN	VYRLSGYGGL	YCLCTGRSHK	RAGVDHSSRG	DVFASIYRAC	YFCSGHGGVF	DASHAISYCL
SRGDRSSG	DFCASYVI	CCRIRGGYGL	LYTWTSSGFY	GALVPDTSLL	SNRCPAYRSS	GGCCTYGVNY	PVNGCGCVGV
FVLARRTG	LIFGISTV	AGCAIVIIPC	DLVWPFGMSA	WDFSVDAALG	LFTLRFPFSV	SFEHHIINLC	DALGVDLCGD
GIRRDCGC	HWLFCFGN	IVCRVFDELS	SPYTIFRGSM	GCRSRINGFN	SHYMSGVASD		GCDVSVDDCD
GCSWQPSL	SSGSICVS	DTVIFYDKWR	GCCNDVLFPY	SPGIFRGSAL	SFEGNVLRHP		GTNYVCGYVV
GNPYDGGP	GCSWQPSL	WSCDGNICLI	VNVTVRAAAR	RSGWRSRGSV	TFYTNSSAPV		IGTRATPGVD
GRVYPVCV	IHIHNSGR	CGSFGDVTGF	ASCNCRLGGP	FYSVSILDRR*	WDLCGDVALG		ACASYGRYVC
SGVTGSDY	SALGHNVS	VVLPCISTKY	GGCLNHFHAC	GCPRVVIHVD*	FLGIGSLCAG		FRRGSLCPGD
PNSCRLTG	TYFDQYGC	GYRHGPPCYA	NAGRSPCHTS	ADACLSLVSV	HGDTSYADAS		GNFSDAMLDS
TIGDGNVR	SLTTCFCA	ASGSGGRRAS	GDGCGGFHCA	AVRSRRRENR	ACSGGHAGTT		RGDVLPVDNV
YGGLMHRL	TVFFIGDL	WATVDDDHGD	IGTQFDSYRA	NRYSIHGNGV	RDLSGYFDGG		
QASGGYVD	IFTTHFSR	FRGAYFEYGI	SNARRAWCFS	ATCIDSSTNS	VVSPSLGATT		

CVSGGCIS	IAISYVNA	VTHGGHGGWV	SSGIYLSPGG	TLDACYVCRR	SWNFYPCHGY		
CSPHSGSG	SATYSMVC	KLTGGCTDAI	VDHECACRAS	ASRIKRPLGE	VGNVGWGVAV		
NVERFYGF	PTHAFFNS	GSVVPIYGDS	AGFSHYYWIP	RVFGGGRACR*	YVCGHIDVFD		
SNYPSCFI	VVFLYSDV	SHTFGAVACR		PRPNVISFGA	YANYDPSHCT		
VVFGLGQG	GTGSIYFL	VVPCCRALFD		LVRVFSPPHS*	CGFSVFVGRC		
YICSISMD	LVIAGDIS	IDFSLNRALA		YDGADVFPPG	CSCLVTGFEP		
LYVITNFI	DIFRNCFY	TIGVLSVRGA		VVSVSDGIWC*	DCFRYCLSGV		
RCGCGRGP	PNVVSNVM	SERCFFSVSR		PVGGNFAAVG*	GACVAACFGA		
GSNDLDTS	GFVLAFDV	NHGITGSVMF		VRVTFLNRNG	DCVSRQTFGG		
WGCPSSGH		HSAPLRPALT		NSDCVACFLS*	YSLYGSFYPS		
SNSSCANL		DNSHPFDFAK		VPSYRRCAVV	VYASCVWSRI		
DVTSSLLM		RRVCIVGLFM		DPHPSTGDCF*	CDHGSYFDCG		
CDLECVGR		LVDSHSWCSM		GGCNGEVFFH*	CAFGSLRSSV		
YTLRTWRL		GPDHGGVVPR		LSAGVFGCAV*	PYPDCAYGSV		
YGRHTDAC		KRCHRGSRYP		RPAIARDNVG*	IRVSYHSPAP		
SSAFFRCV		IRVSYHSPAP		PHFALVHSTH*	LYFNRGSSRA		
QSADFSAF		LKISFNRPFS		VIVDRGQICG*	DHAHGIPRSC		
GAYQRGPV		RTASGGELPL		IDYSGRSLLL*	PNGSHIIFSF		
SSVIRYFA		FSLWISYCRP		IAIVGFGGTG	VLESSSFERF		
FGTRGTYG		RLPGYDDYIL		PGDRGLSRAR	GNCGSLHDER		
REDAGCNC		GPDSCTGRFN		HSVVRRCTLR	ACSAEHRWGL		
GGTFIFGC		NSYCSHLVRS		DSRLLRPGCS	TAAVRNFGAS		
HGSGHVAI		FSGTRGDNGR		HDTLCNGVRF	VAAAIRTAQT		
HFHIGSYG		SLVGSSFISR		RVSGVVSLHL	NSIRAGSCNL		
VRGRIICV		YGLTGYPLCL		FGRSLNSFRY	GITFFGDASG		
VGDVVGVA		PCVCIHFRRR		PRIGHSDLVN	SSTNYDYHRA		
SCGEPGLT		PVYAHDGGRR		PAGDDRNFVS	AANTHREWCF		
RIGSPAVG		AFDSYNSVAI		HCYCHRAVAR	LYPLFVVDTV		
NGVSGAAF		IDGMGRSSVG		ANLVVHCVTQ	CIDNVCRSGW		
GSGLVRWG		VRGAWPHCSG		RPVTRGHRYH	CIPDRYDCSA		
PGGDWLSM				RGPTSGPSGD	YGPPSVSVGD		
VFRTGYMH				YPRISHGGQC	SVGVAEFDRA		
GSSIGRIT				EITVMIAMSR	FDYFFNGDNT		
FGARGVGL				PRVVVVILNL	HVNFVAVAVH		
				DFRRHRHLGF	FVVLASRCAY		
				PQCDTSSSCG	VSVGSCVPGC		

				FGVPCVNVPV	DYVSGANHNS		
				PDNVVGNPPS			
				VVRPGLSDRS			
				CSGFLDDRCI			
				FMYGRDTRVS			
				PNHYRFGAVC			
				IIIVPSDRAL			
				LVRYFNVGDC			
				RKFAFSDSAG			
				LGASVYLVSG			
				ATSLTVLGNG			
				DTVGALHTRV			
				CHARGGCLVR			
				FAYFSVGSIT			
				RRKGYCGGFL			
				GYGGTVGFAH			
				IGCTSISLAP			
				RGSVTHGVGQ			
				SLSARVYCIS			
				VIGRSARYLL			
				DLELDVRTDM			
				IDDCMPPGDL			
				QSAFDDVPDL			