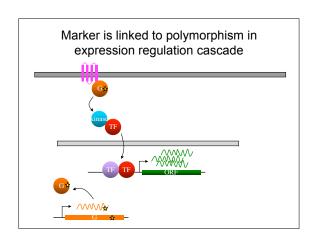
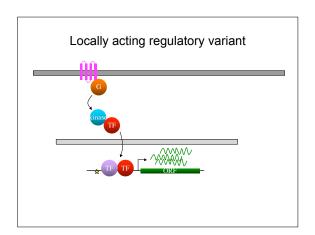
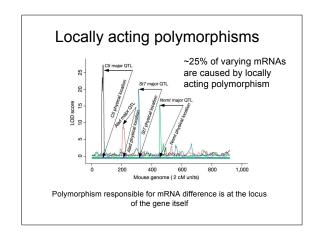
Office hours 3-4pm Wednesday, Dec. 10 304A Stanley Hall

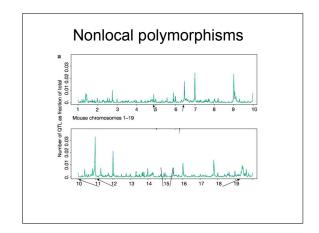
Review session 5pm Thursday, Dec. 11 GPB100

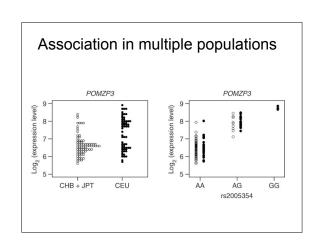
Final exam 12:30pm Saturday, Dec. 13 277 Cory Hall (NE campus)

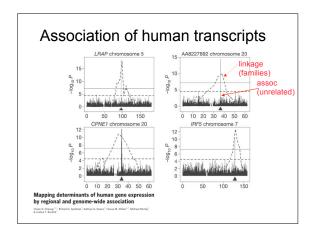




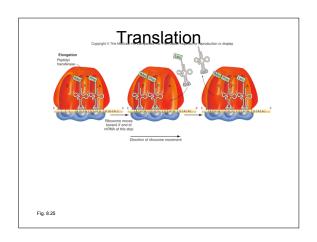


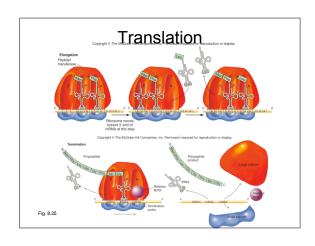


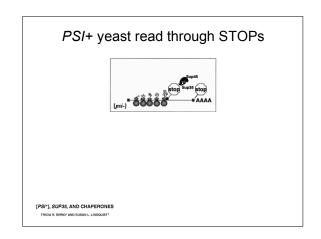


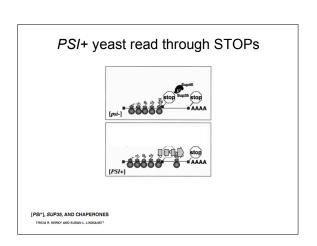


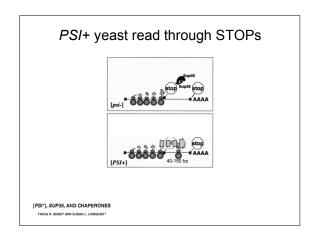
A new brand of genetic variation

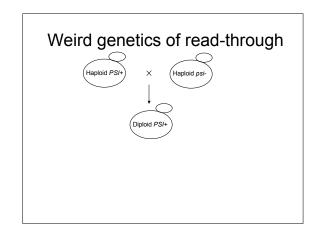


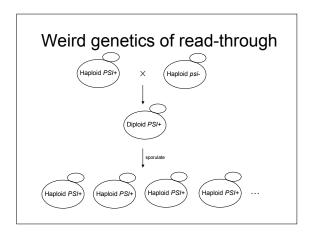


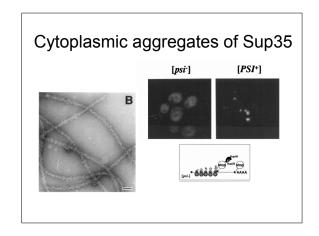


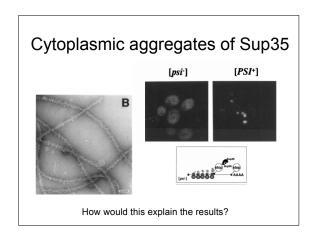


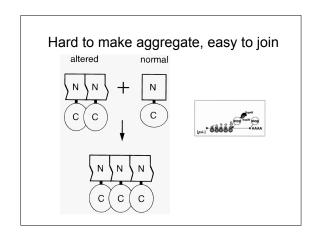


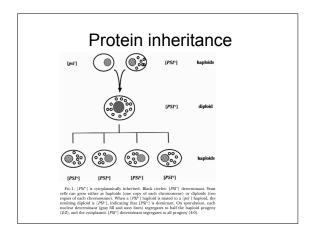


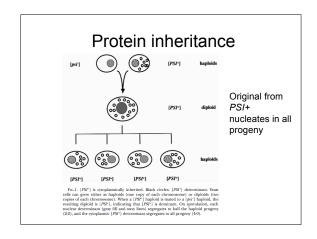


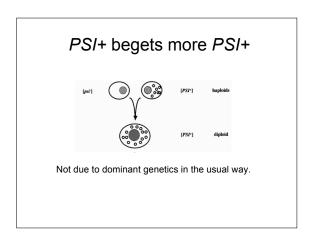


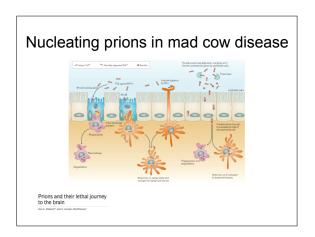




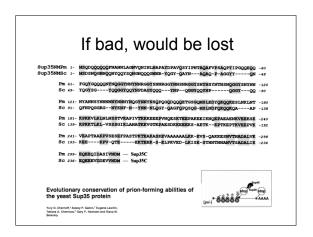


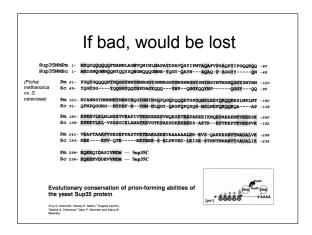


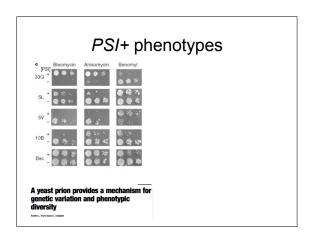


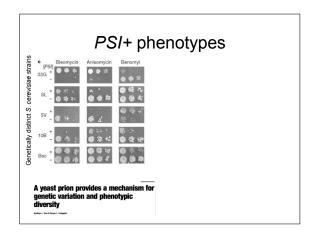


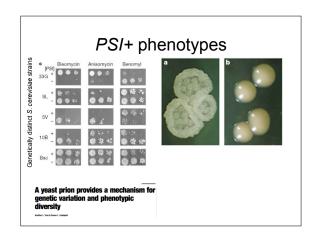
Is *PSI*+ the yeast analog of mad cow or Alzheimer's?

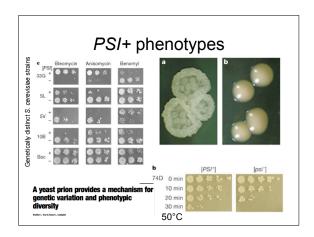


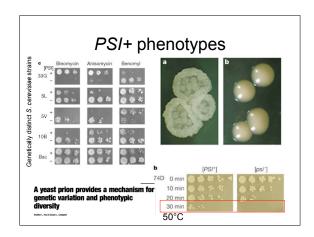












PSI+ phenotypes

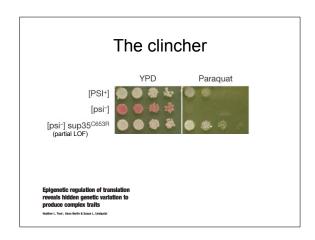
Why would aggregates result in so many novel abilities and traits??

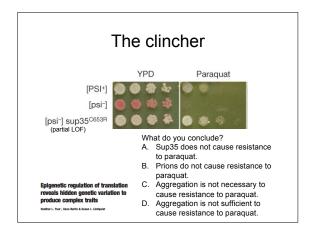
PSI+ phenotypes

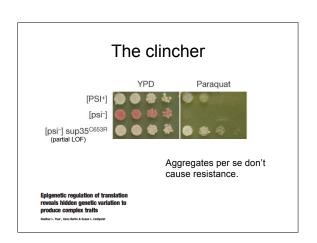
Why would aggregates result in so many novel abilities and traits??

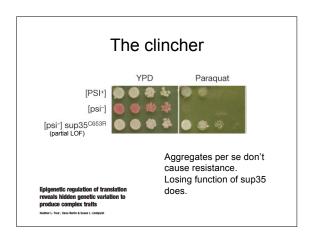
Apparently does not happen in Alzheimer's...

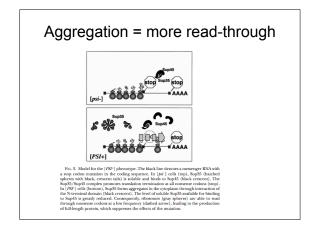
The clincher YPD Paraquat [PSI+] [psi-] [psi-] sup35^{C853R} Epigenetic regulation of translation reveals hidden genetic variation to produce complex traits Marker L barr, East briefs & Base L Lindquist

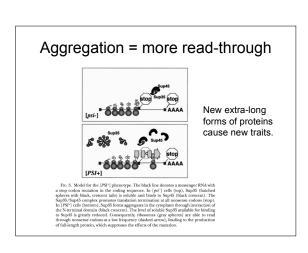




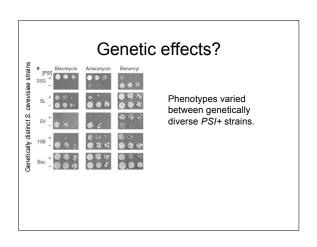


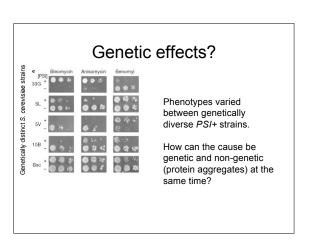






PSI+ allows epigenetic change in protein sequence.

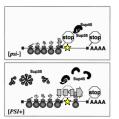




Aggregation = more read-through

Pix. 3. Model for the [FSF1] phonotype. The black line denotes a messurger KNA with a stop cordon musition in the coding sequence. In [FSF1] cells (top), Sup\$5 (hatcher should be completely promotes translation terrimination and moments extonsive (suppletely promotes translation terrimination and moments extonsive (suppletely promotes). In [FSF1] cells (bottom), Sup\$5 forms saggregates in the evolplasm through interaction of the Nerminal domain (backs crescent.) The level of solidable spaths smalled for binding to Sup\$6 is greathy reduced. Consequently, ribosomes (grav spheres) are able to treat through monesters codon as a low frequency (dashed arrow), entangle to the production.

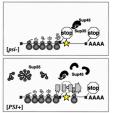
Aggregation = more read-through



UTR mutations usually occur and have no effect

Die. 3. Model for the [FSF] phenotype. The black line denotes a messenger ENA-wis a stop codon mutation in the coding separent. In [FSF] of [FSF] (https://px.SPSF) Bathest spikeres with black, crescent tails is solable and binst to Suppl's (black excessent). The Suppl's Suppl's Complex promotes translation termination at all monestee codons (tops: In [FSF] = (slik (bottom), Sup35 forms aggregates in the cytoplasm through interaction the Neurinal cohorts (black excesser). The best of solable Suppl's smallake for bending to Sup45 is greatly reduced. Consequently, rhosomes (gray upheres) are able to real through anomero colone at a low frequency (dashed graves), ending to the produced.

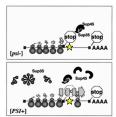
Aggregation = more read-through



UTR mutations usually occur and have no effect, so organism doesn't die and allele is maintained.

Fig. 3. Model for the [PSV] phenotype. The black line denotes a mesenger RNA with a stop colon mutation in the colong sequence. In [psi] cells (top), SupSG thatches phene with black, cresent tails) is solid and blands to SupSG (black cresent). The phene to [PSV] cells (bottom), SupSS forms aggregates in the evoplasm through interaction the Neutrinal domain (black cresent). The level of solidabs SupS smallable for binding to SupSI is greatly reduced. Consequently, ribosomes (grav spheres) are able to rea through nonester colon at a low frequency (dashed arrow), etading to the production.

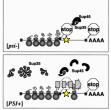
Aggregation = more read-through



UTR mutations usually occur and have no effect, so organism doesn't die and allele is maintained. Now in *PSI*+, they manifest!

Fig. 3. Model for the [PSV] phenotype. The black line denotes a mesenger RNA with stop codon mutation in the coding sequence. In [psr] cells (top), SupSO (fastched herbers with black, rescent table) is solidar and bloods to SupSO (fastch cessent). The properties of the Newtrained domain flooks creenced. The level of solidae SupSO satisfate for binding SupSO is greatly reduced. Consequently, thosomes gray spheres) are able to read trough nonsense codings to also foreigness of codings of the produced to the properties of the prope

Aggregation = more read-through



Sequence differences in readthrough region cause phenotypic differences between *PSI*+ strains.

Fig. 3. Model for the [PSF] phenotype. The black line denotes a messenger RNA with a stop codon mutation in the coding sequence. In [psf] cells (top), SupSG thatches phenes with black, cresent tails) is solid and binds to SupSG (black cresent). This SupSG SupSG complex promotes translation termination at all noneness codons (top) in [159] cells (othors), SupSG form aggregates in the eytophast through interaction the New Terminal domain (black cresent). The level of soluble SupSG swittline for binding through those specific control of the supsequence of the supsequence of the supplementation Cryptic variation: DNA sequence differences between individuals that are usually not expressed