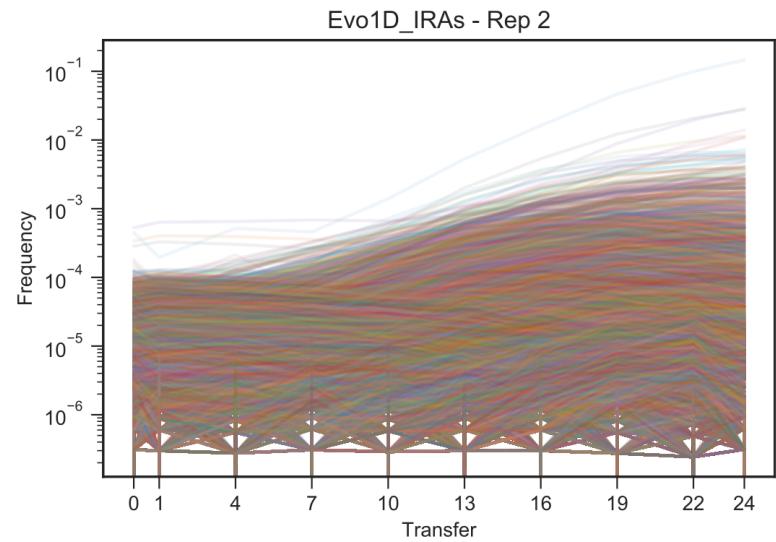
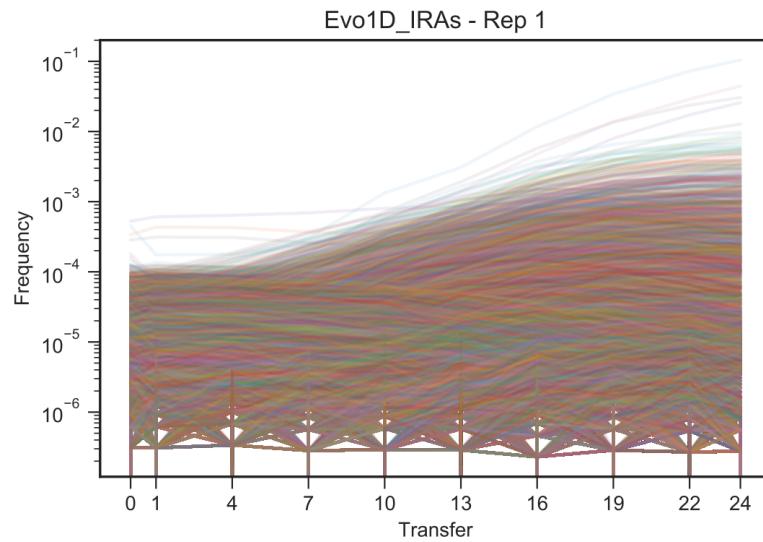


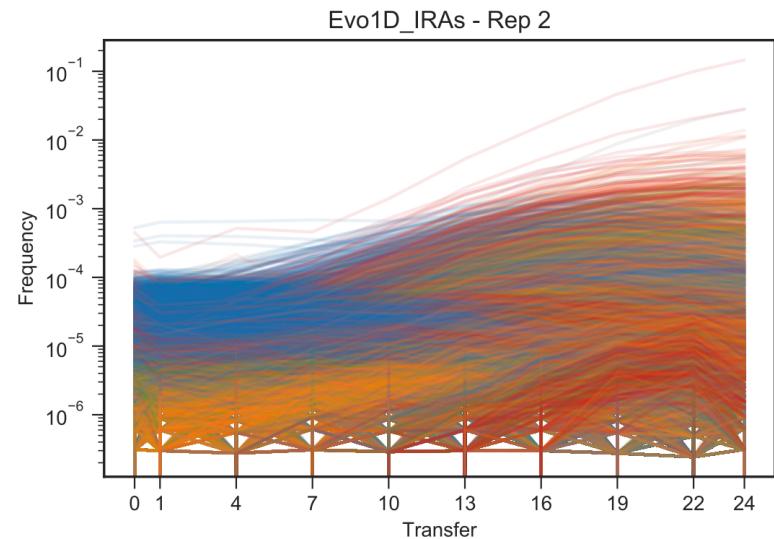
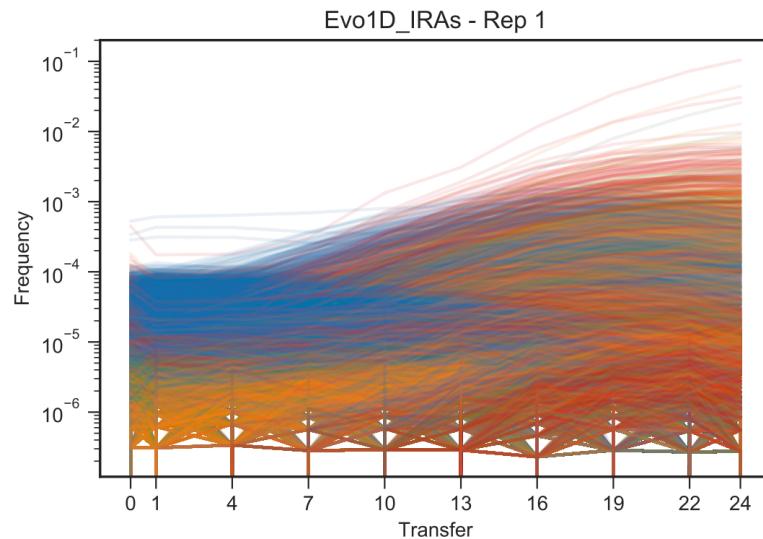
## Evo1D IRAs

These are 1 Day evolutions with IRA1 nonsense and missense pooled together in the same flasks.

Colors are consistent across populations, so dominant teal barcode seems to have shared, pre-existing mutation (also makes sense, since it seems to arise pretty early on). Possibly true also for frequent gray and purple lineages.



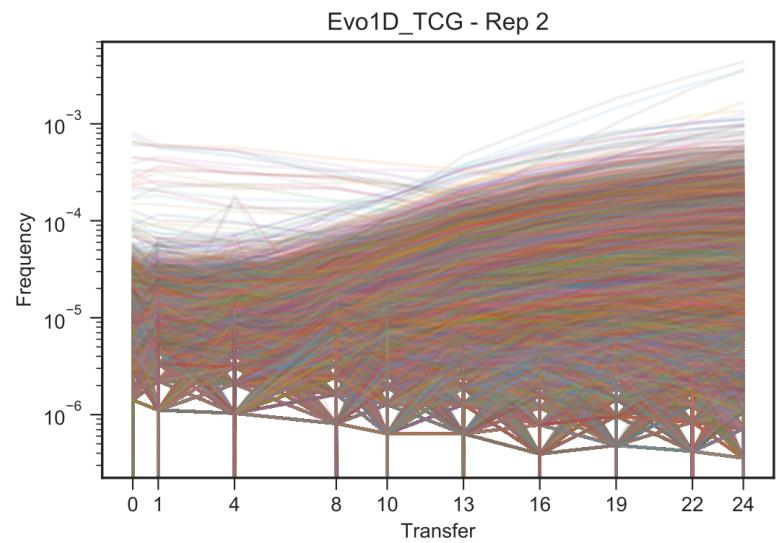
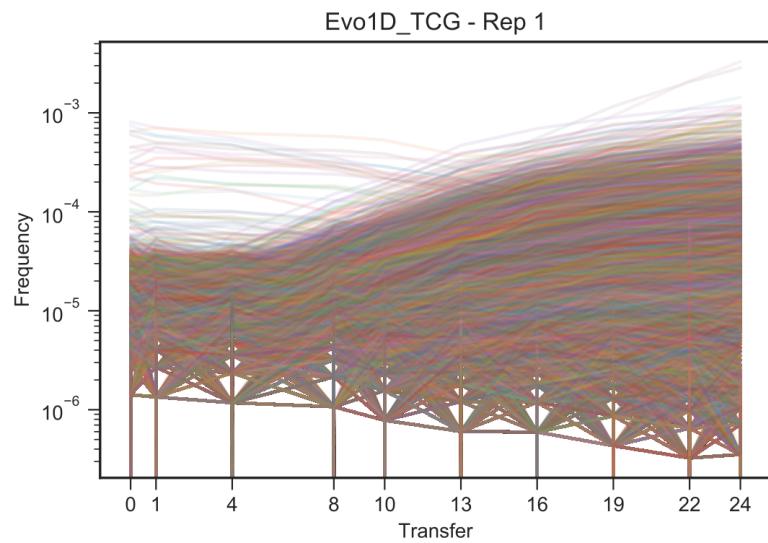
Same exact trajectories as shown above, but colored by low diversity BC. IRA1 Missense had fewer barcodes to start (but we mixed 50-50), so the abundant, blue lineages are likely these. Looks like more IRA1 Nonsense at the end (DFE shifted to the right for Nonsense? or just a small advantage that carries through and ultimately outcompetes?).



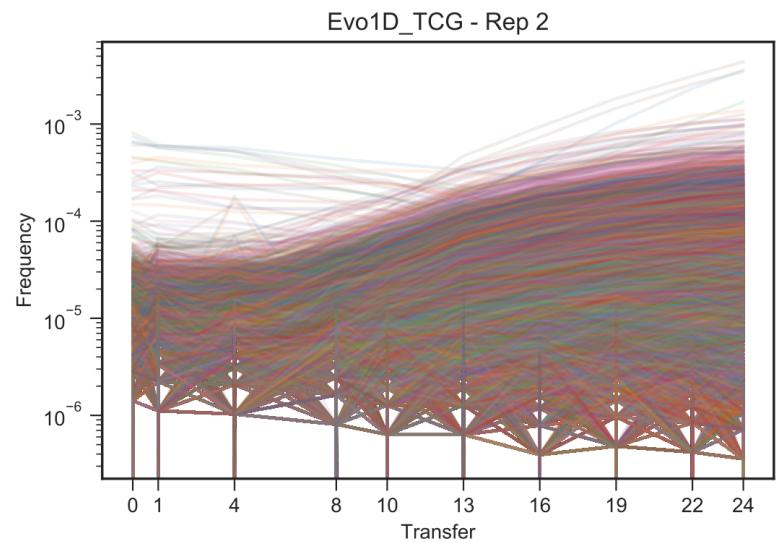
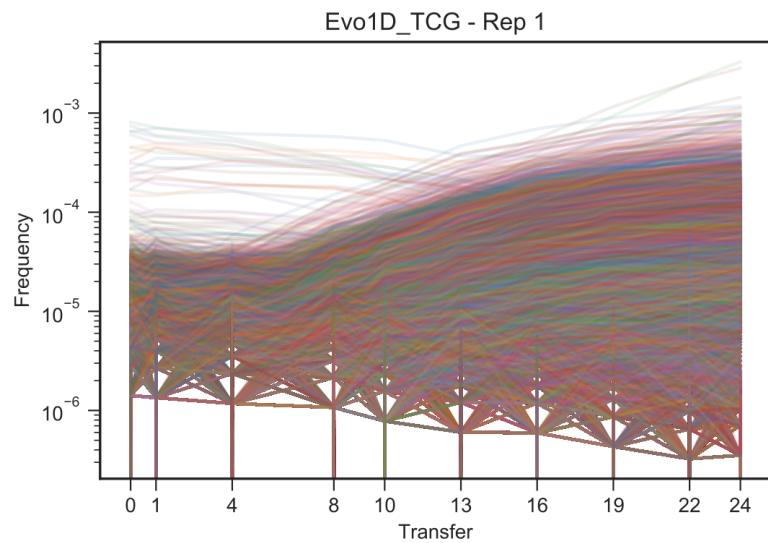
## Evo1D TOR1,CYR1,GPB2

These are 1 Day evolutions with TOR1, CYR1, and GPB2 mutants pooled together in the same flasks.

Random colors for each barcode:



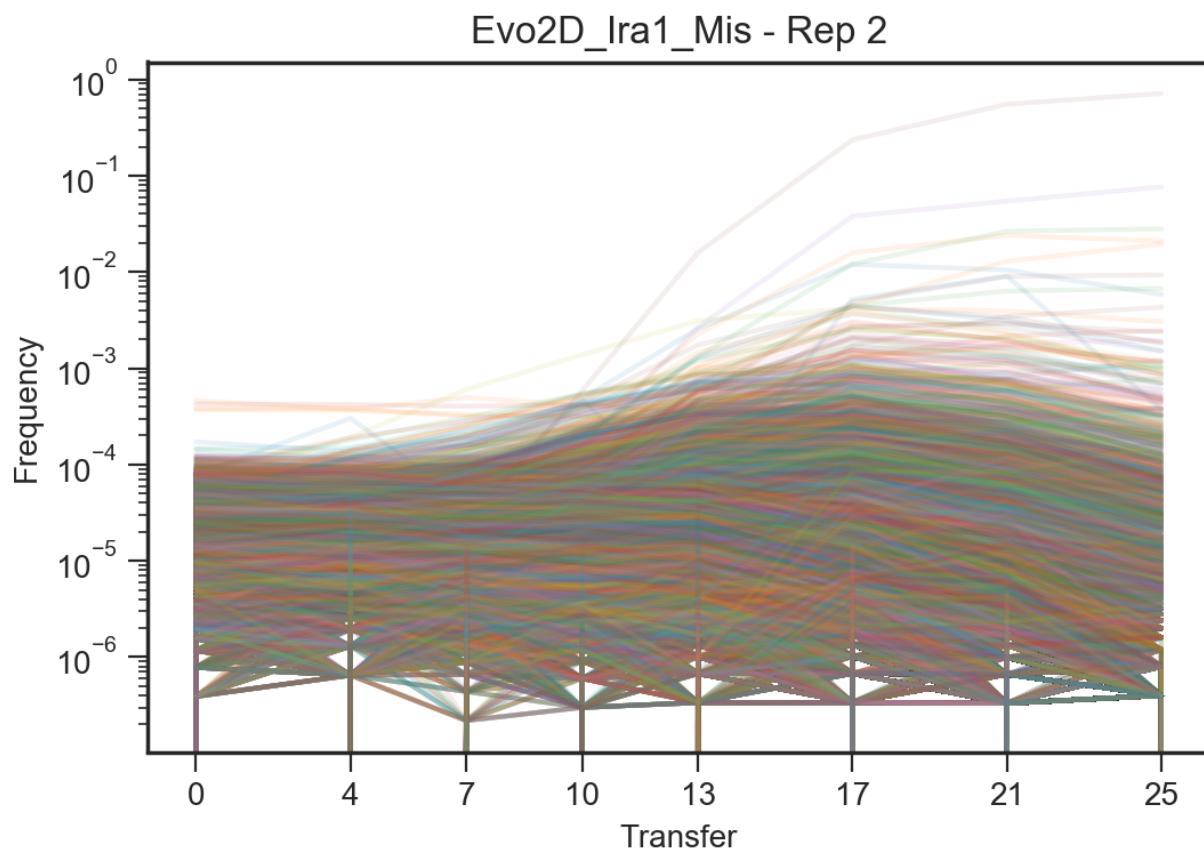
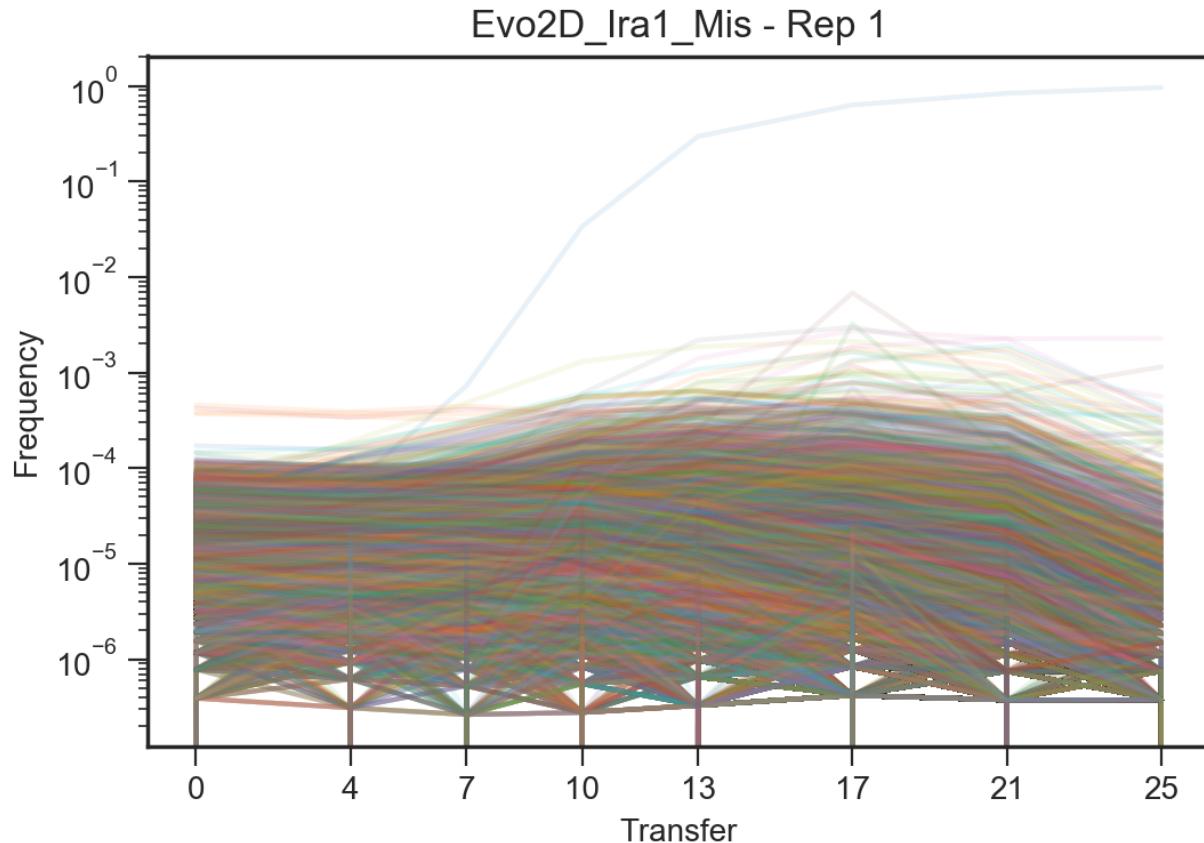
Colored by low diversity BC labeled (I don't know which genotype corresponds to which colors yet - need to check Dimitra's association).



Looks like considerable adaptation is occurring! No huge monsters!

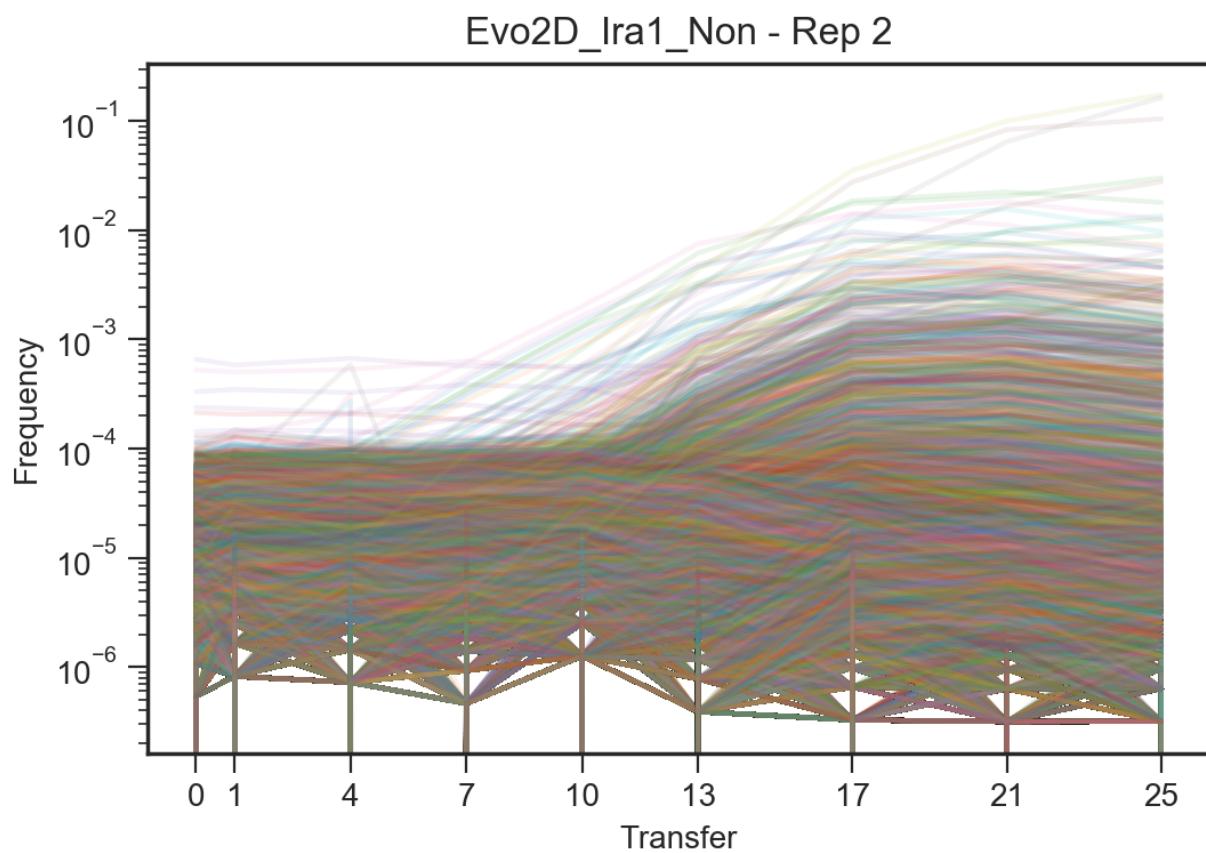
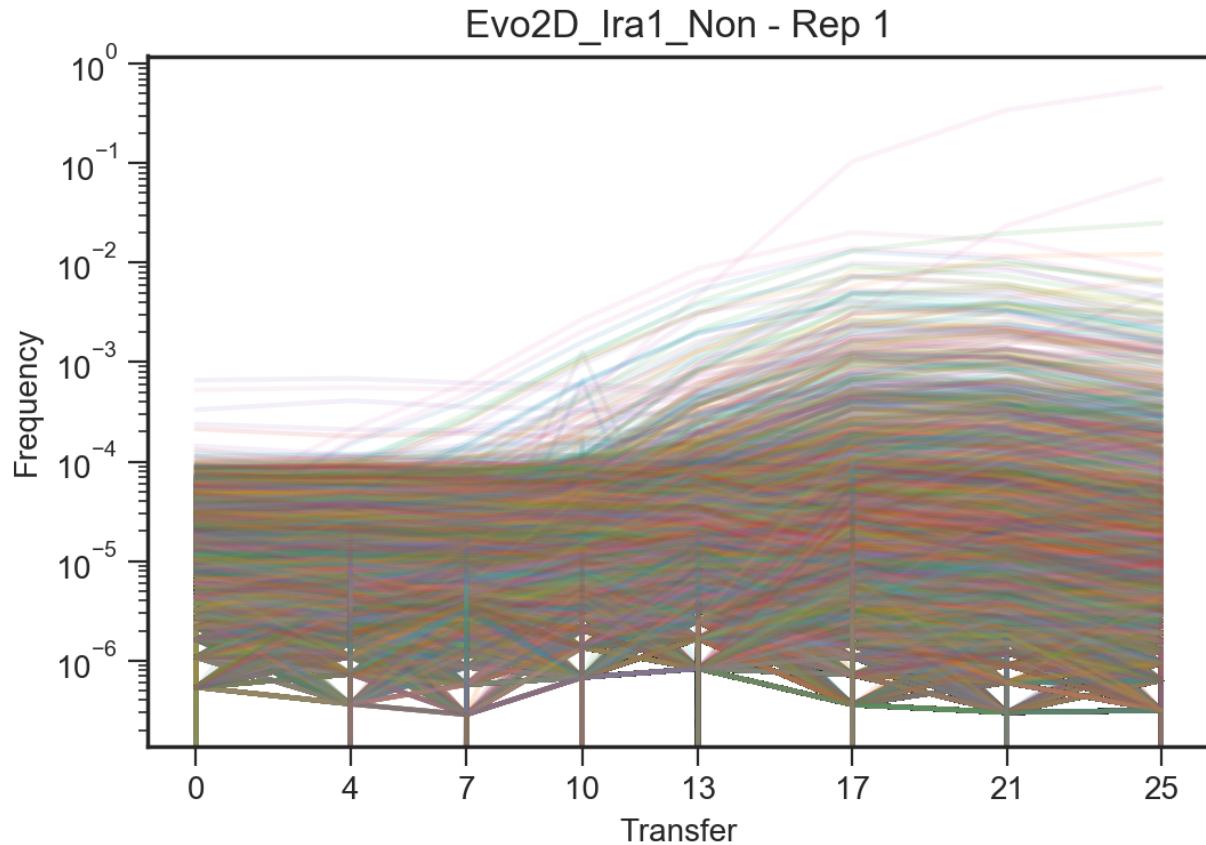
**Evo2D IRA1 Missense**

These are 2 Day evolutions with IRA1 Missense starting genotype.



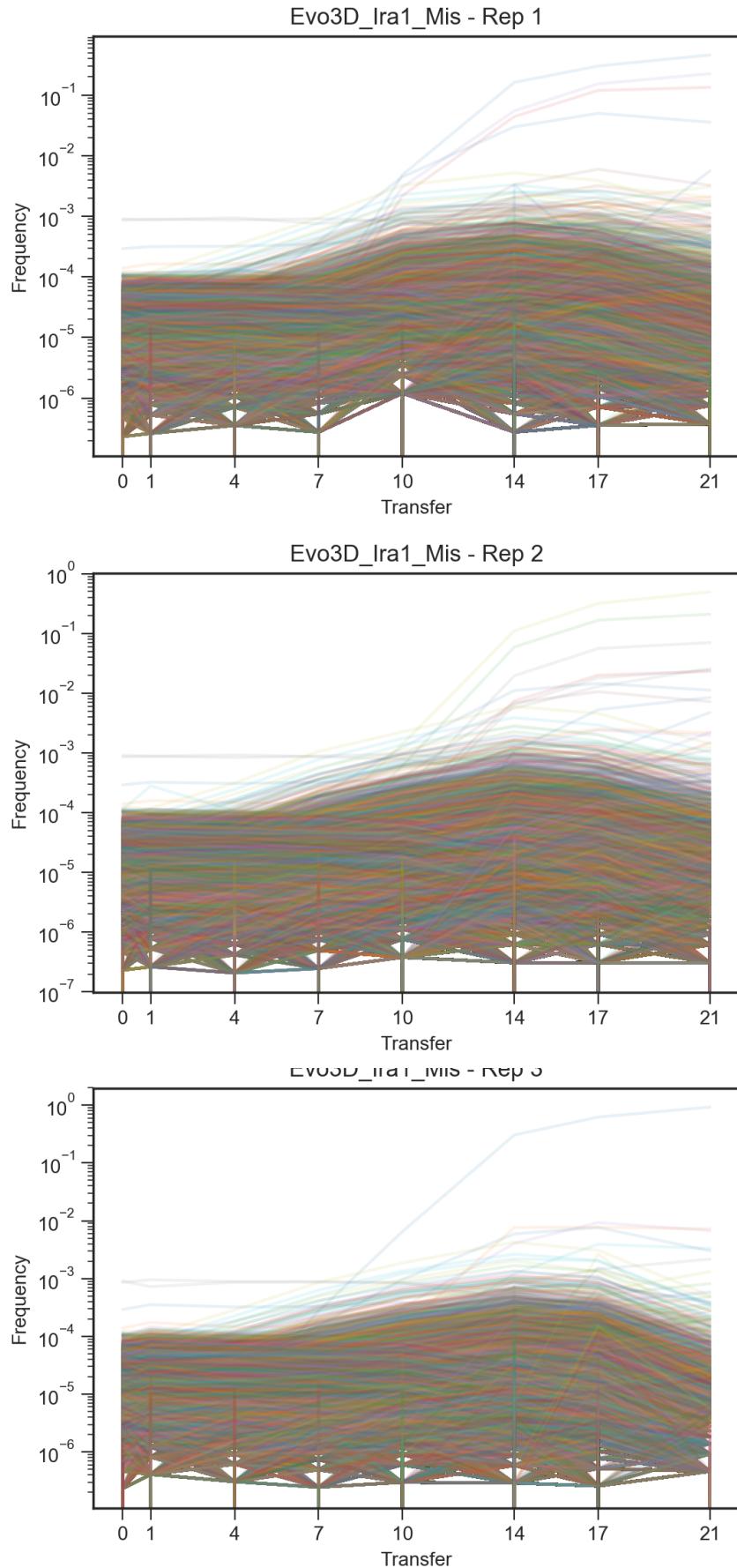
**Evo2D IRA1 Nonsense**

These are 2 Day evolutions with IRA1 Nonsense starting genotype.



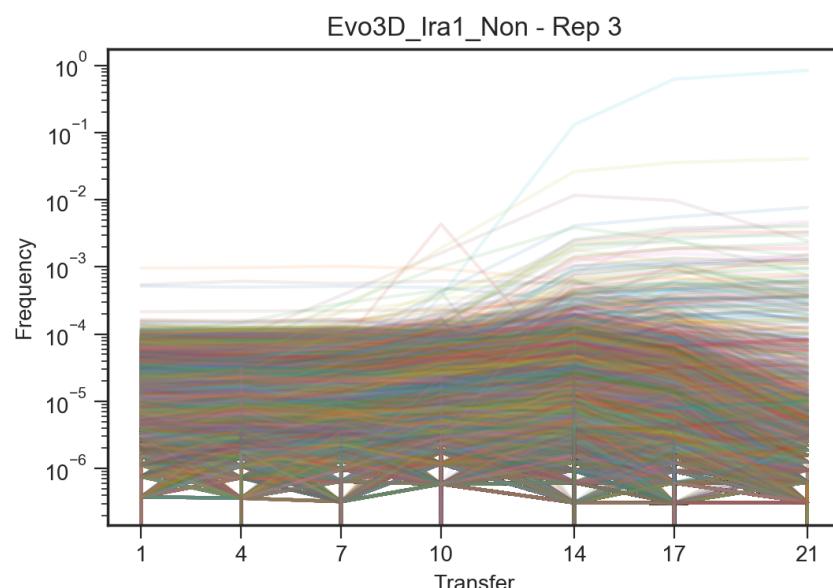
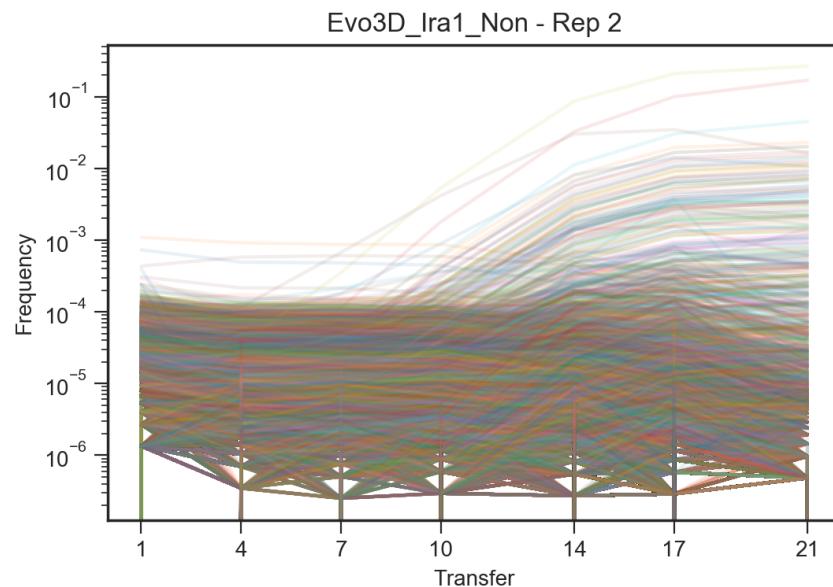
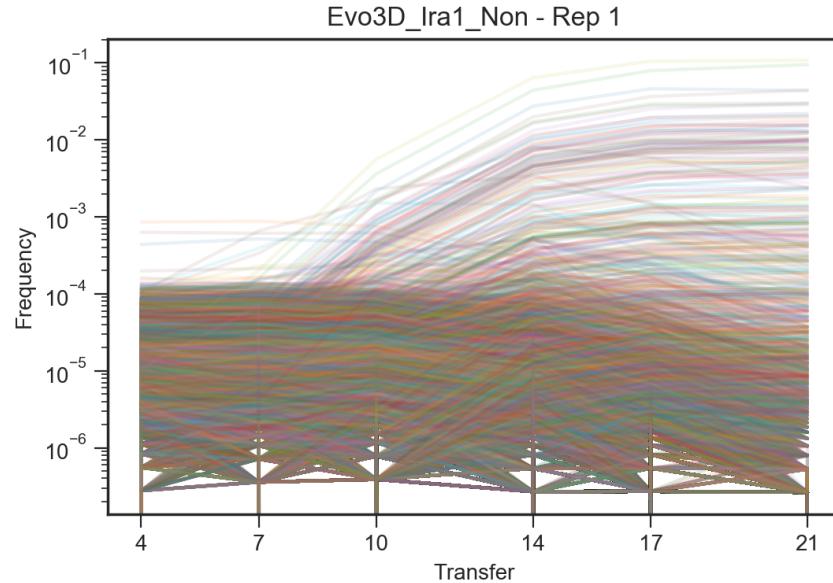
**Evo3D IRA1 Missense**

These are 3 Day evolutions with IRA1 Missense starting genotype.



## Evo3D IRA1 Nonsense

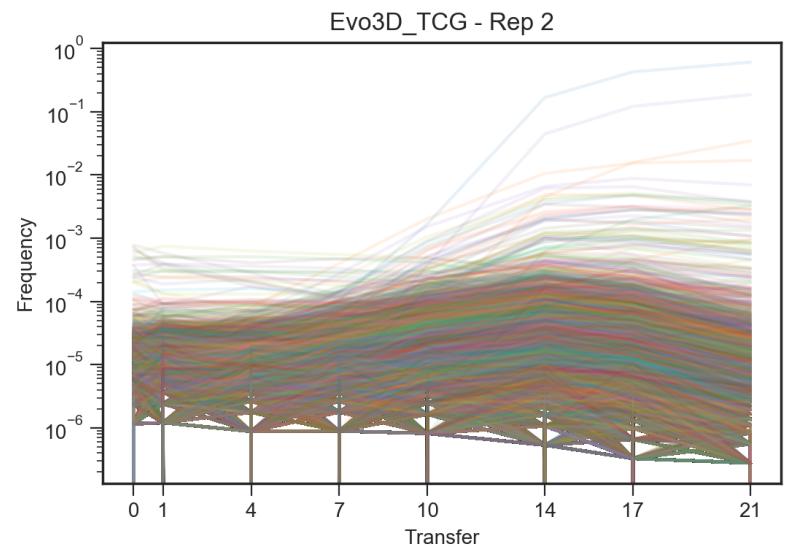
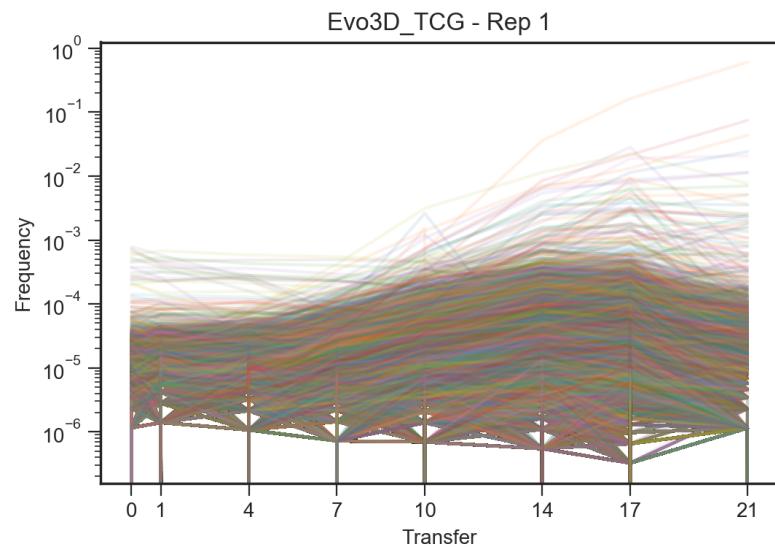
These are 3 Day evolutions with IRA1 Nonsense starting genotype.



## Evo3D TOR1,CYR1,GPB2

These are 3 Day evolutions with TOR1, CYR1, and GPB2 mutants pooled together in the same flasks.

Colored randomly by barcode:



Colored by low diversity barcode (color corresponds with starting genotype):

