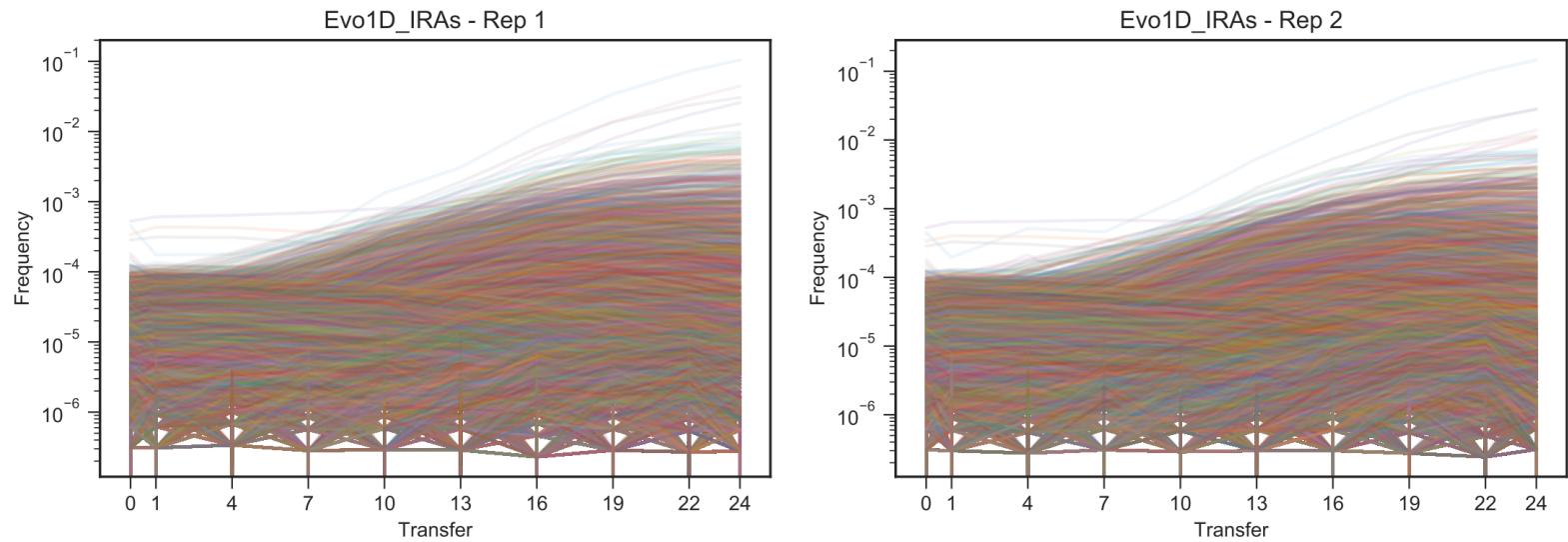


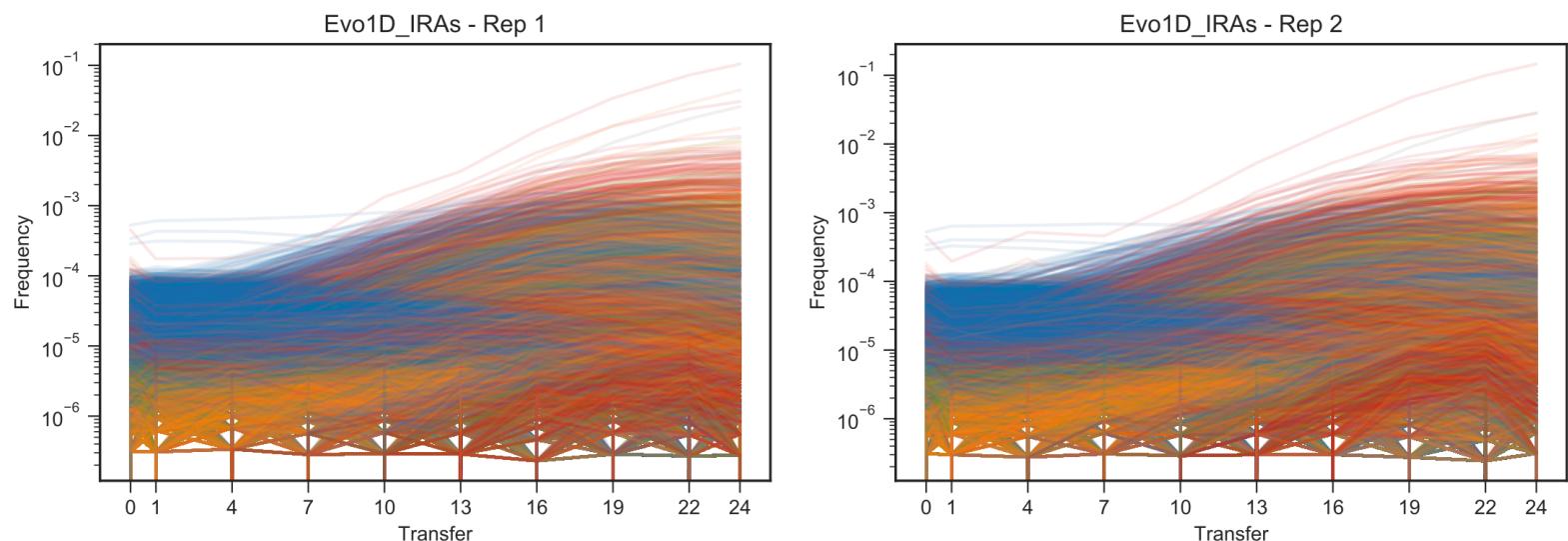
## Evo1D IRAs

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.



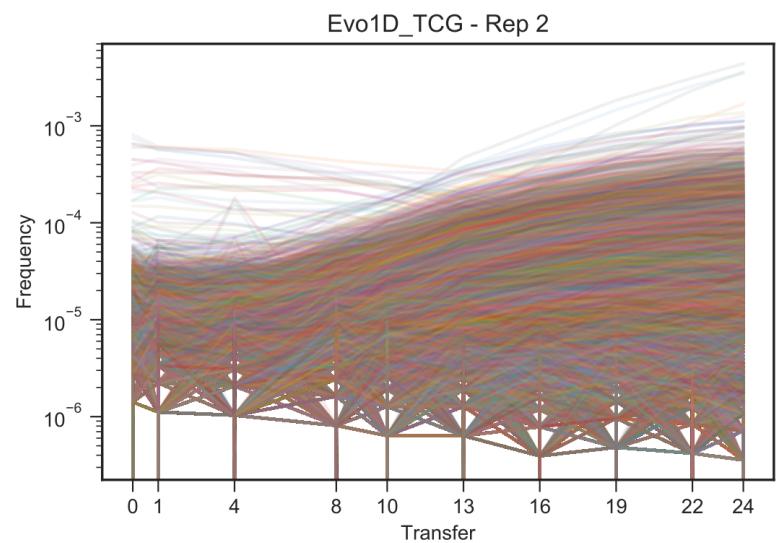
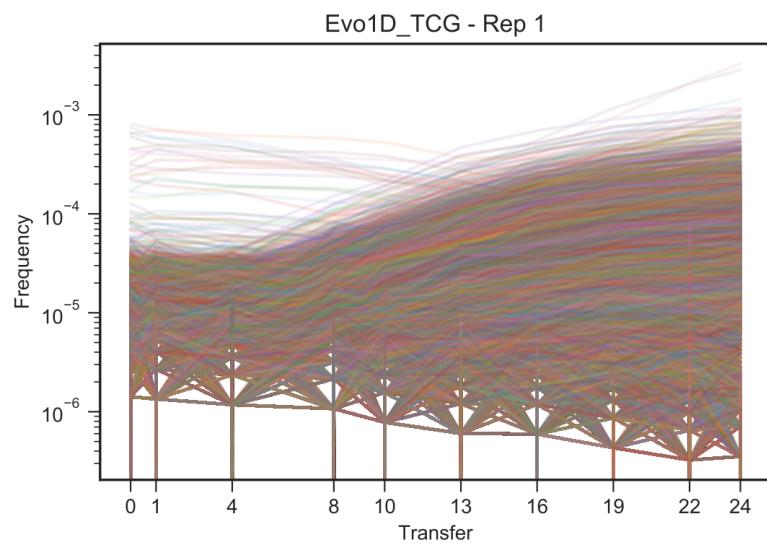
Same exact trajectories as shown above, but colored by low diversity BC. IRA1 Missense had fewer barcodes to start (but we mixed 50-50), so the abundant, blue lineages are likely these. Looks like more IRA1 Nonsense at the end (DFE shifted to the right for Nonsense? or just a small advantage that carries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



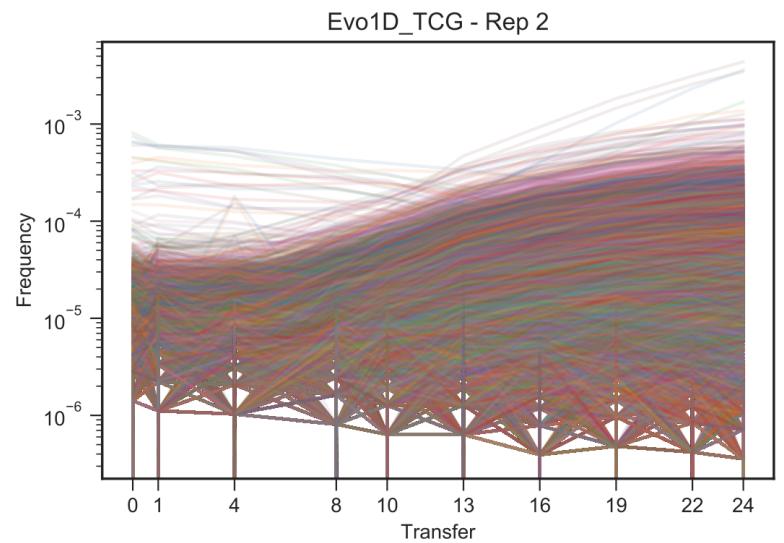
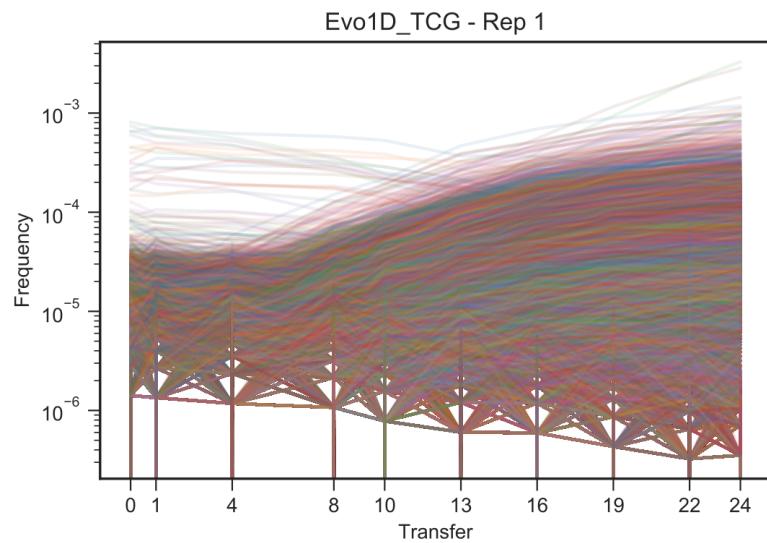
## Evo1D TOR1,CYR1,GPB2

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

Random colors for each barcode:



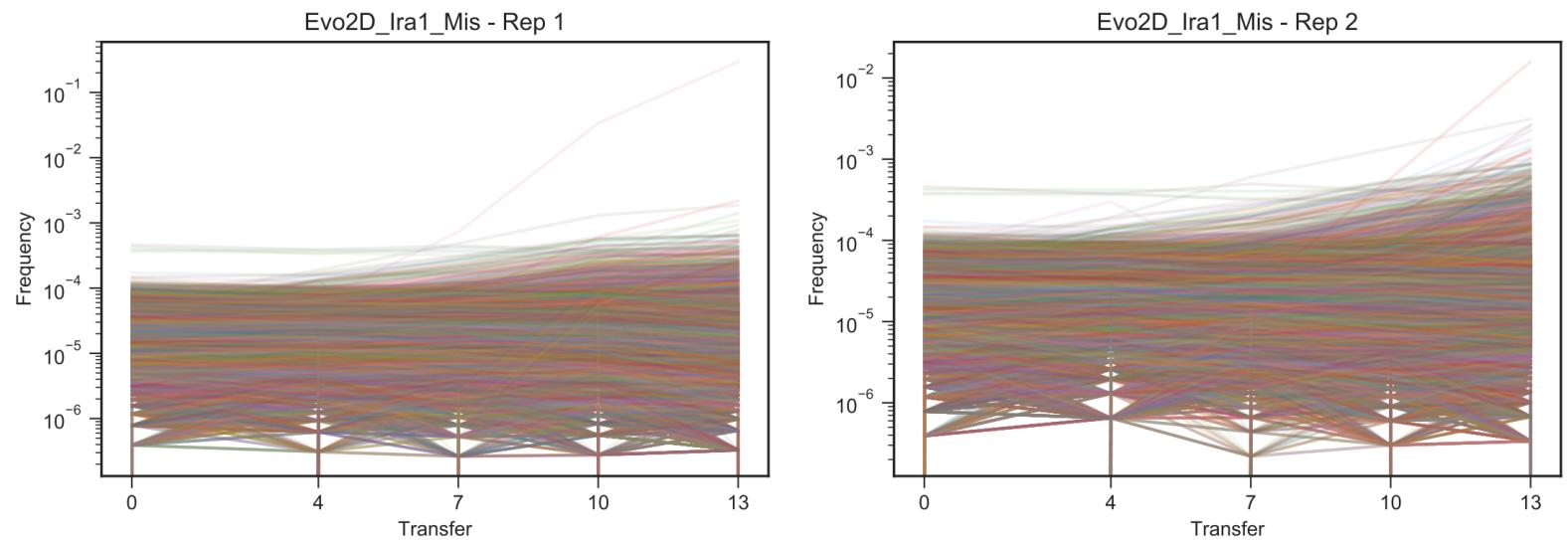
Colored by low diversity BC labeled (I don't know which genotype corresponds to which colors yet - need to check Dimitra's association).



Looks like considerable adaptation is occurring! No huge monsters!

## Evo2D IRA1 Missense

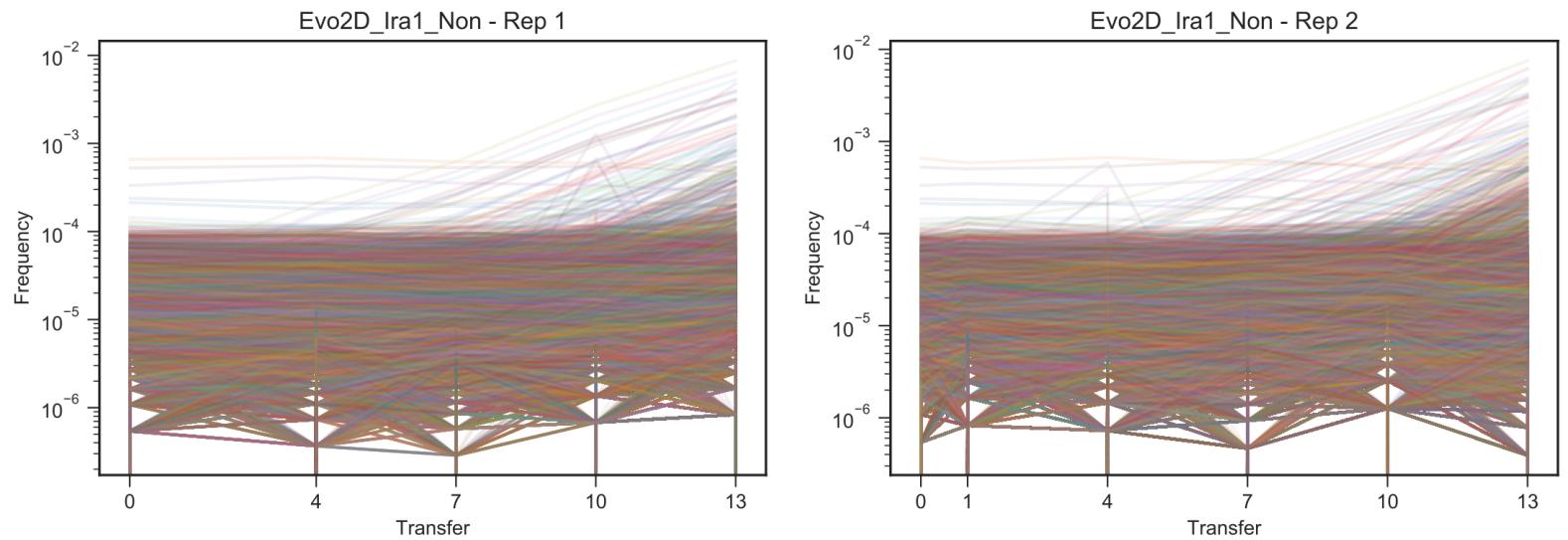
These are 2 Day evolutions with IRA1 Missense starting genotype.



Looks like there's adaptation starting to happen (particularly in replicate 2). Might want to prep a few more timepoints to be more certain about what time to pick from? (at least for replicate 1).

## Evo2D IRA1 Nonsense

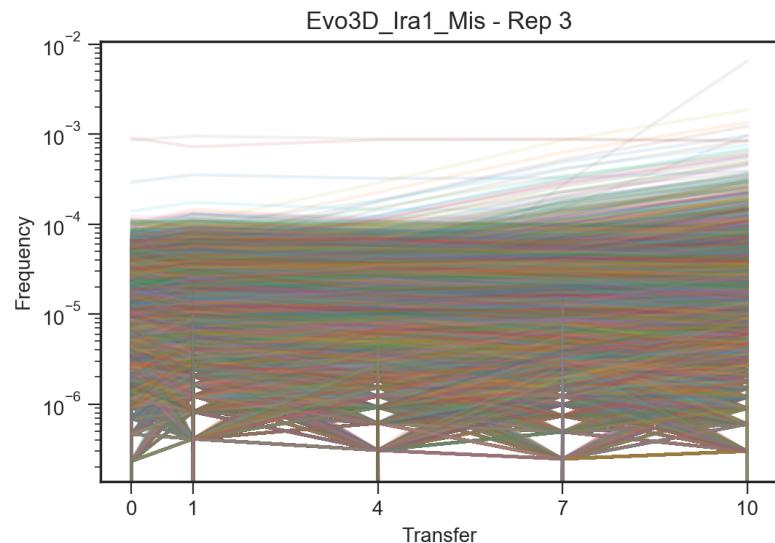
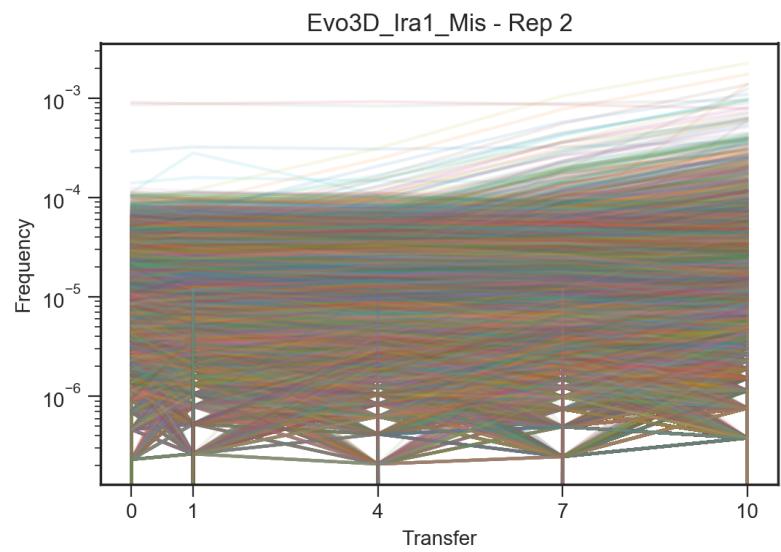
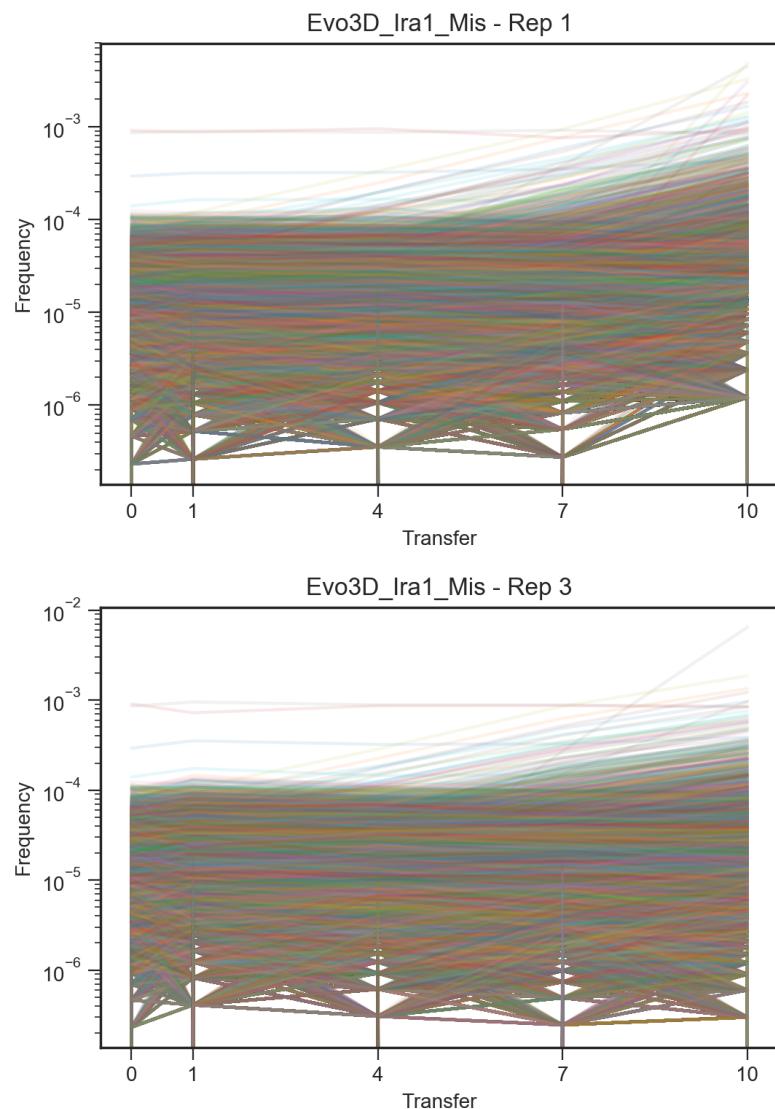
These are 2 Day evolutions with IRA1 Nonsense starting genotype.



Looks like considerable adaptation happening here. Top ones are putative pre-existing mutations.

## Evo3D IRA1 Missense

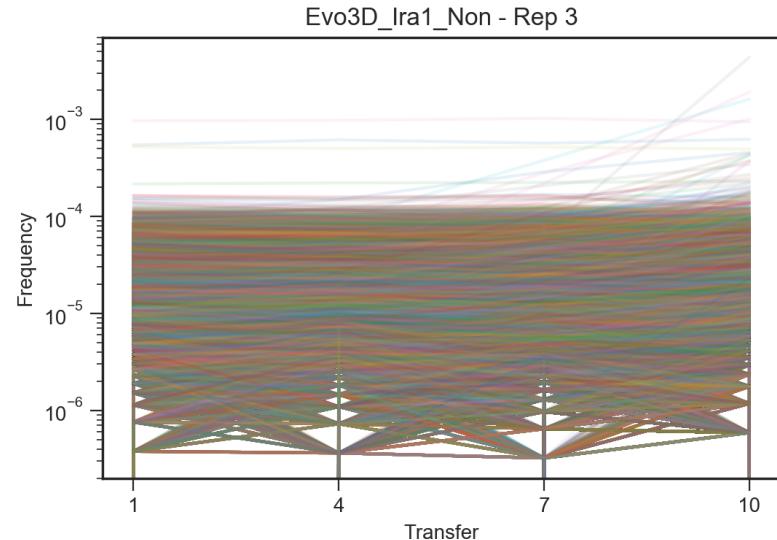
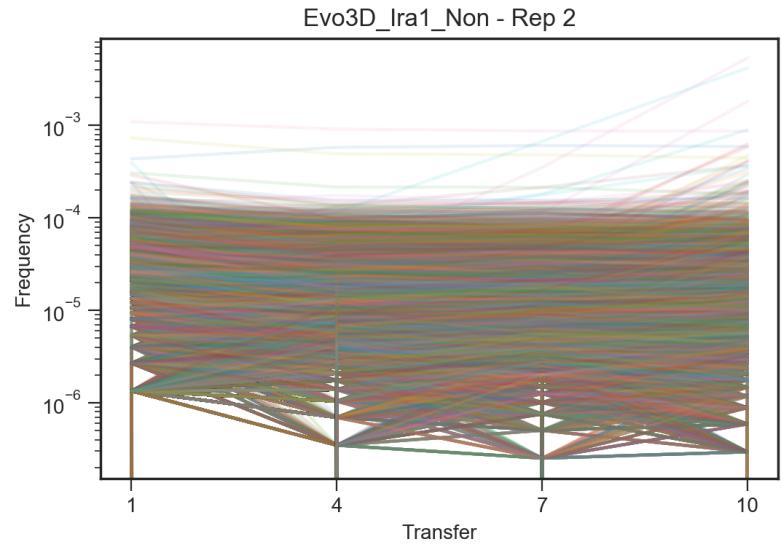
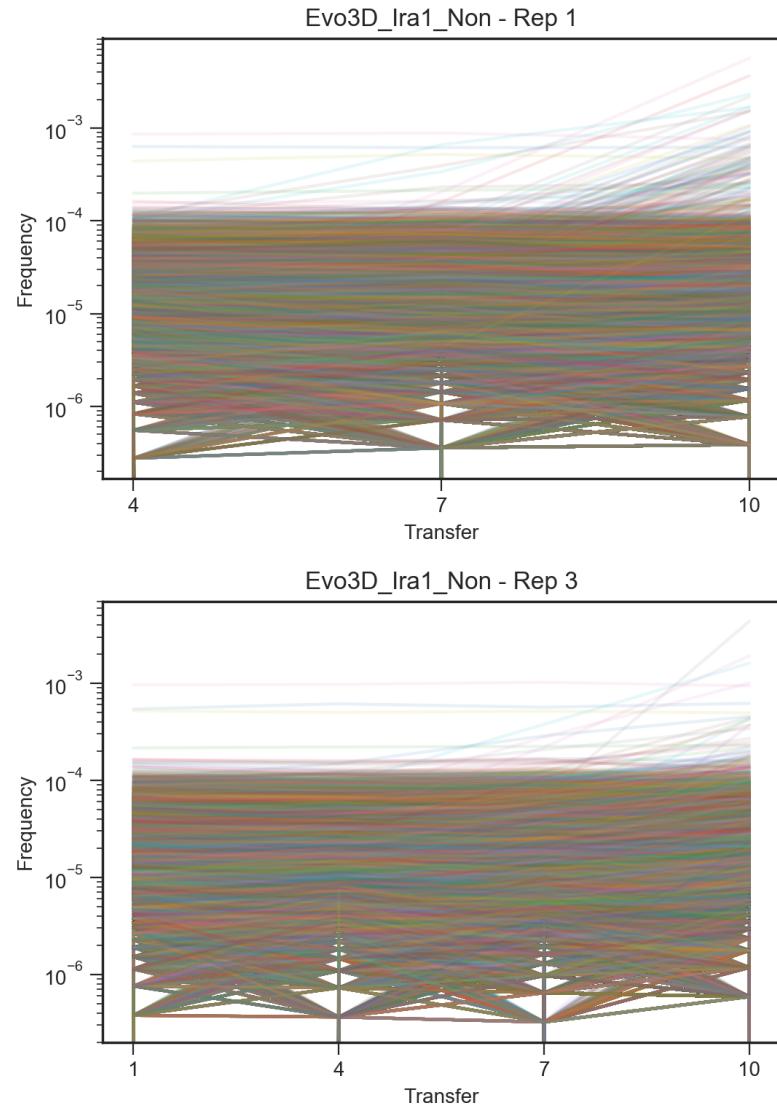
These are 3 Day evolutions with IRA1 Missense starting genotype.



Might want to prep a few more timepoints for these, too (but Yuping/Atish's code can tell us for sure).

## Evo3D IRA1 Nonsense

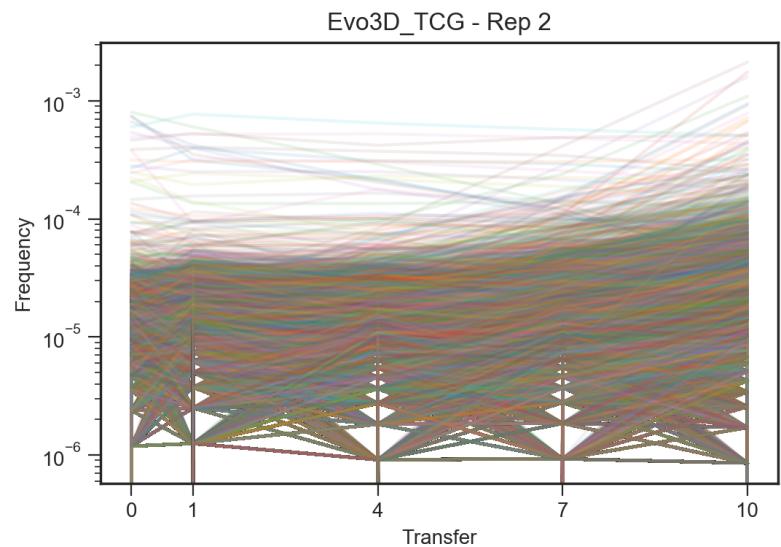
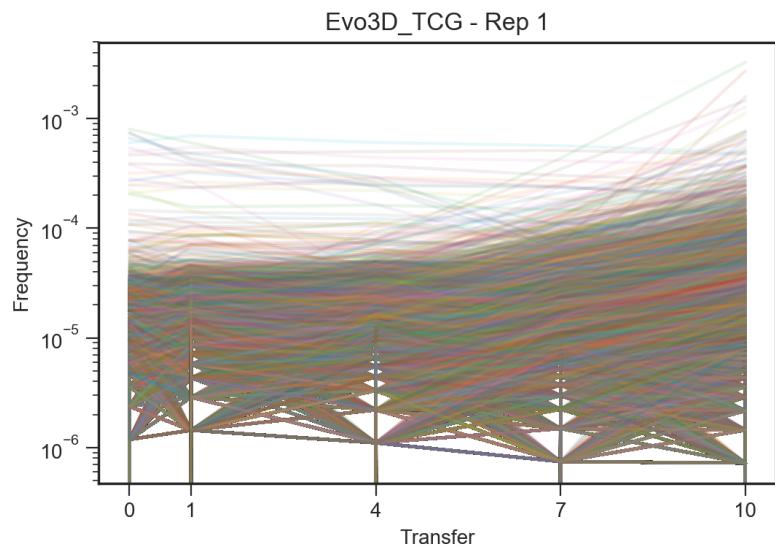
These are 3 Day evolutions with IRA1 Nonsense starting genotype.



## 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:

