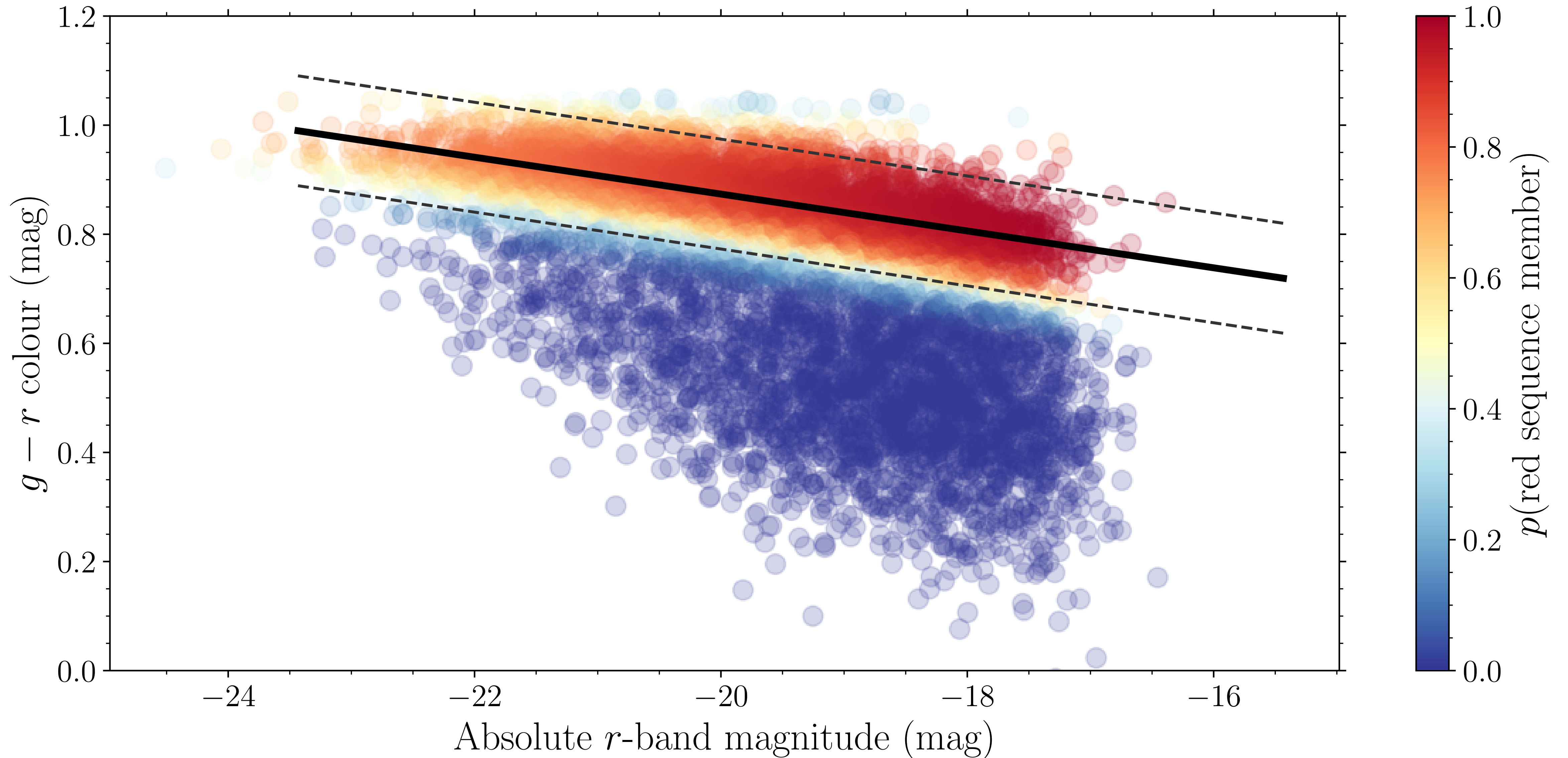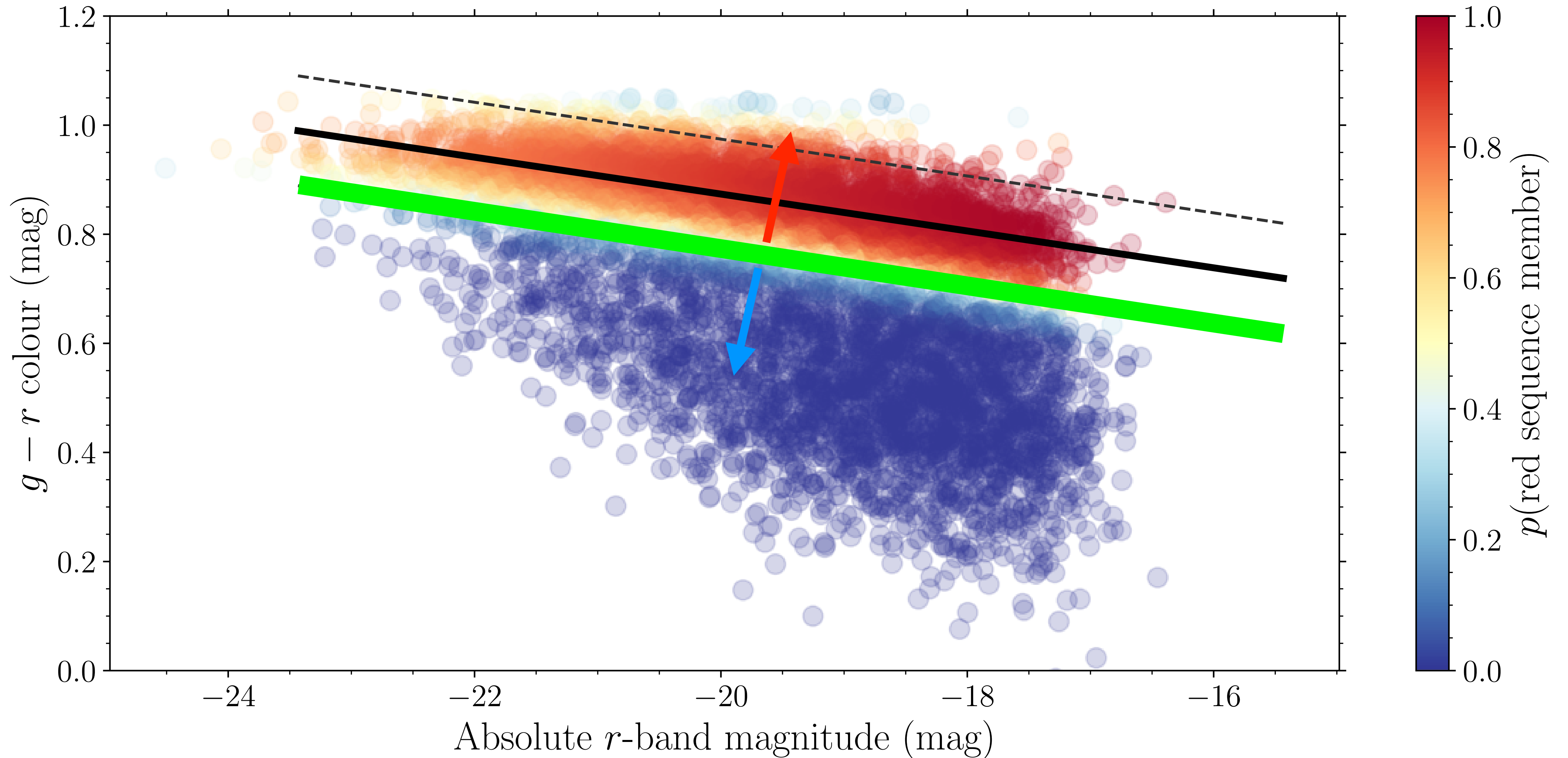# Cluster red sequence update

- K-correct the r-band absolute magnitude of the cluster galaxies

- Fit a mixture model with two straight lines

- Red sequence galaxies are selected to lie within 2-sigma of the red sequence best-fit line

Cluster red sequence update

Cluster red sequence update

Cluster red sequence update

- We then randomly sample the red sequence galaxies.

- Currently keeping 50%. This gives us a final target catalogue of 2384 cluster galaxies, of which 1409 are red-sequence members

- Average of ~216 galaxies per cluster.

- There are ~400 low-mass galaxies along the cluster lines-of-sight we could include.

- Dosing so wouldn't affect the tiling efficiency