**ONLY CLINICAL DATA :**

HIGHEST SCORE WITHOUT CV AT: 0.01; the score decreases before and after that.

HIGHEST SCORE WITH CV AT CV: Almost the same

CV SCORES ARE BETTER OR NOT THAN WITHOUT CV: they are almost the same (only 1 or 2 % difference)

**ONLY 250 GENES:**

Test scores are positive for cv=10 and become negative before and after that.

CV SCORES ARE BETTER OR NOT THAN WITHOUT CV: the scores are not negative. **250 GENES AND**

**CLINICAL DATA:**

HIGHEST SCORE WITHOUT CV AT: really good with alpha=1. The difference between the train and the test scores are

HIGHEST SCORE WITH CV AT CV: almost the same as scores at alpha=1.

BETTER OR NOT THAN WITHOUT CV: same.

**2K GENES ONLY**

All the scores are less negative even for higher values.

V SCORES ARE BETTER OR NOT THAN WITHOUT CV: cv scores are not better . the test score is negative.

**2K GENES AND CLINCAL DATA:**

Very good. Alpha = 30 it’s the highest.

CV SCORES ARE BETTER OR NOT THAN WITHOUT CV: almost the same. Little better . The difference is not that much.

**LUAD PERFORMS BETTER THAN LUSC FOR 2K GENES + CLINICAL DATA.**

**Almost for all regressions, LUAD performs well.**