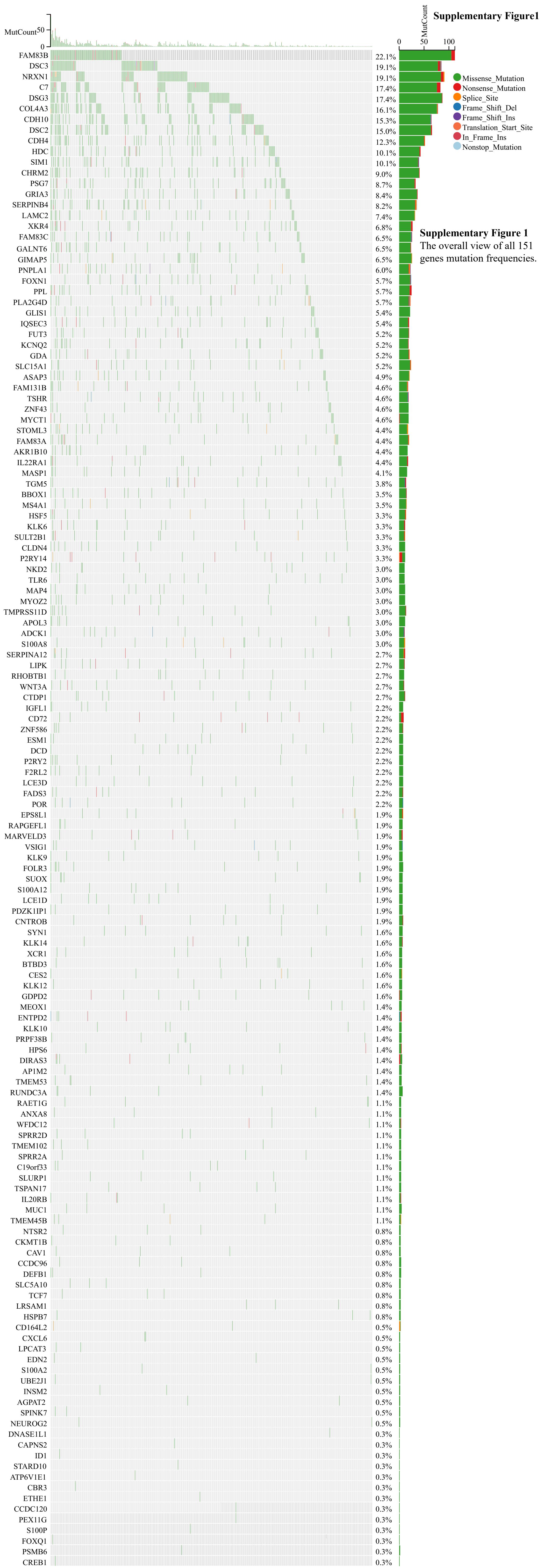
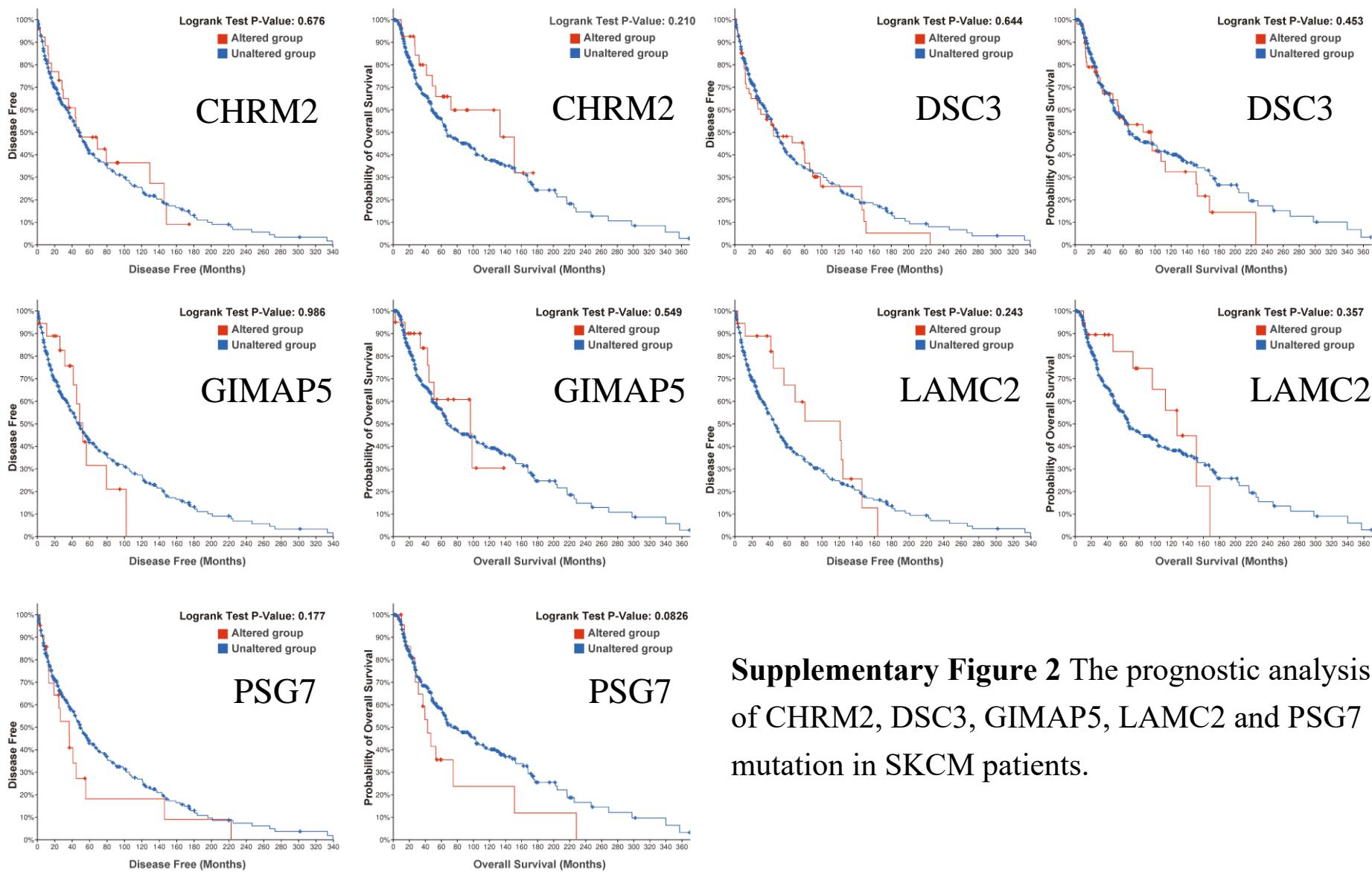


**Supplementary Figure1**

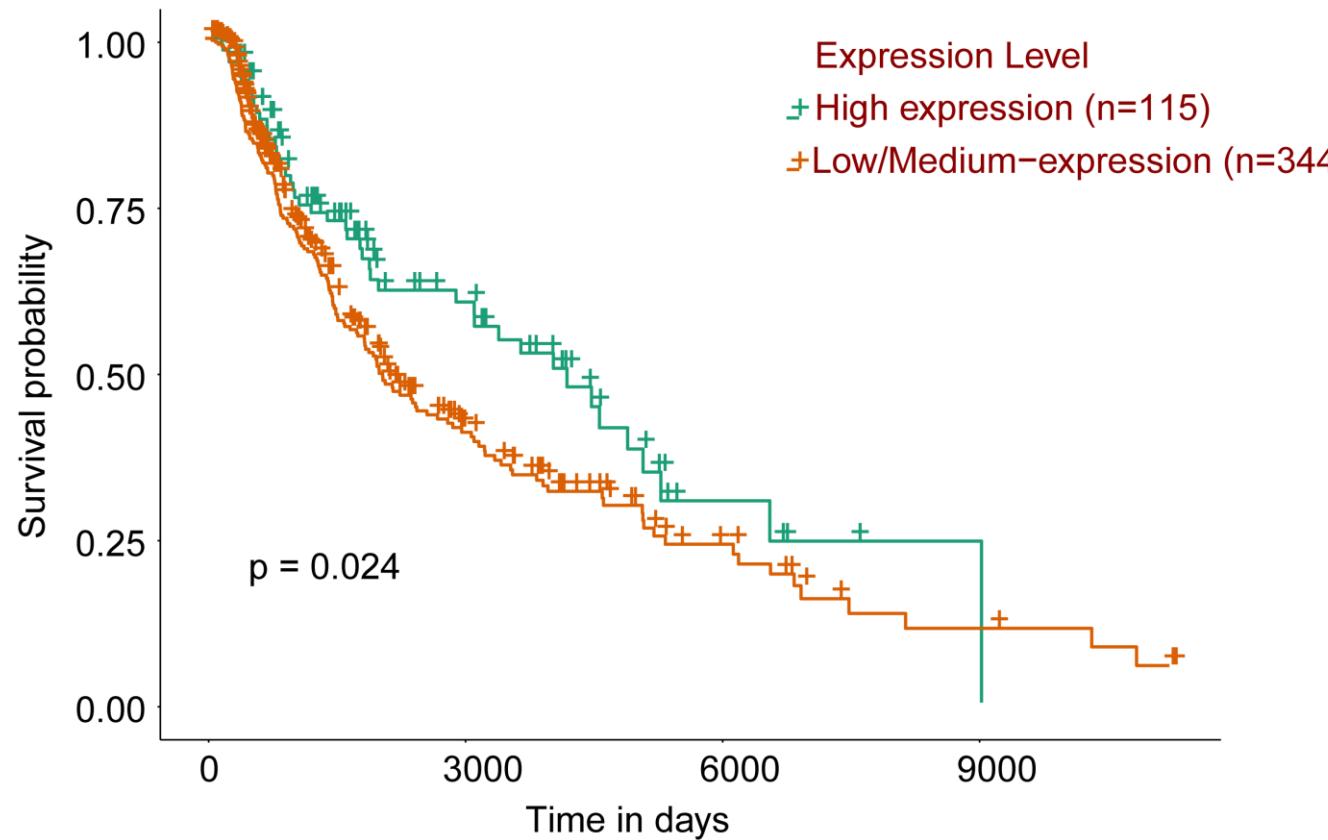
## Supplementary Figure2



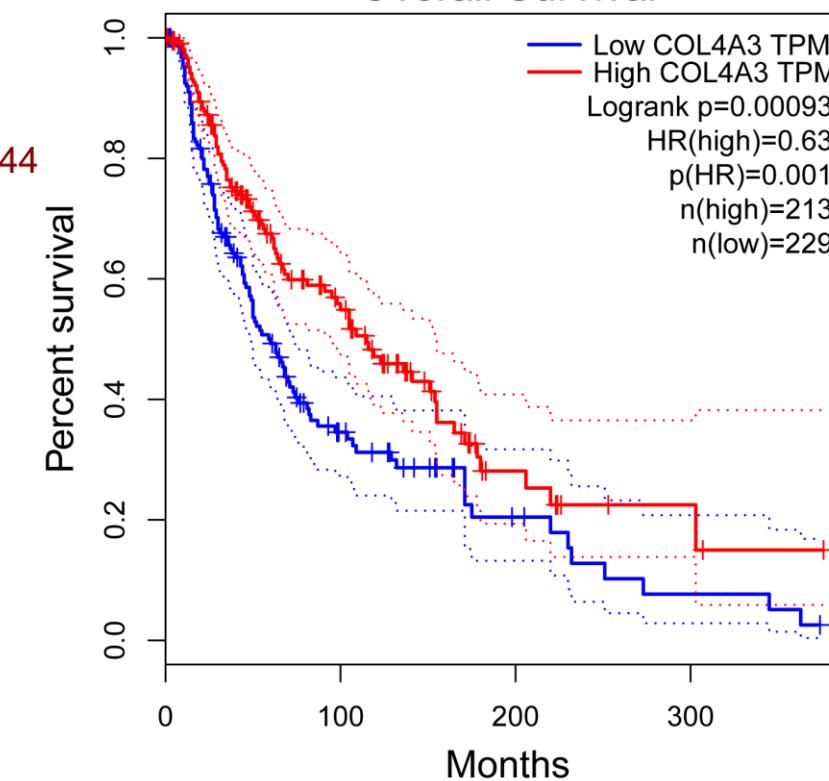
**Supplementary Figure 2** The prognostic analysis of CHRM2, DSC3, GIMAP5, LAMC2 and PSG7 mutation in SKCM patients.

### Supplementary Figure 3

#### Effect of COL4A3 expression level on SKCM patient survival

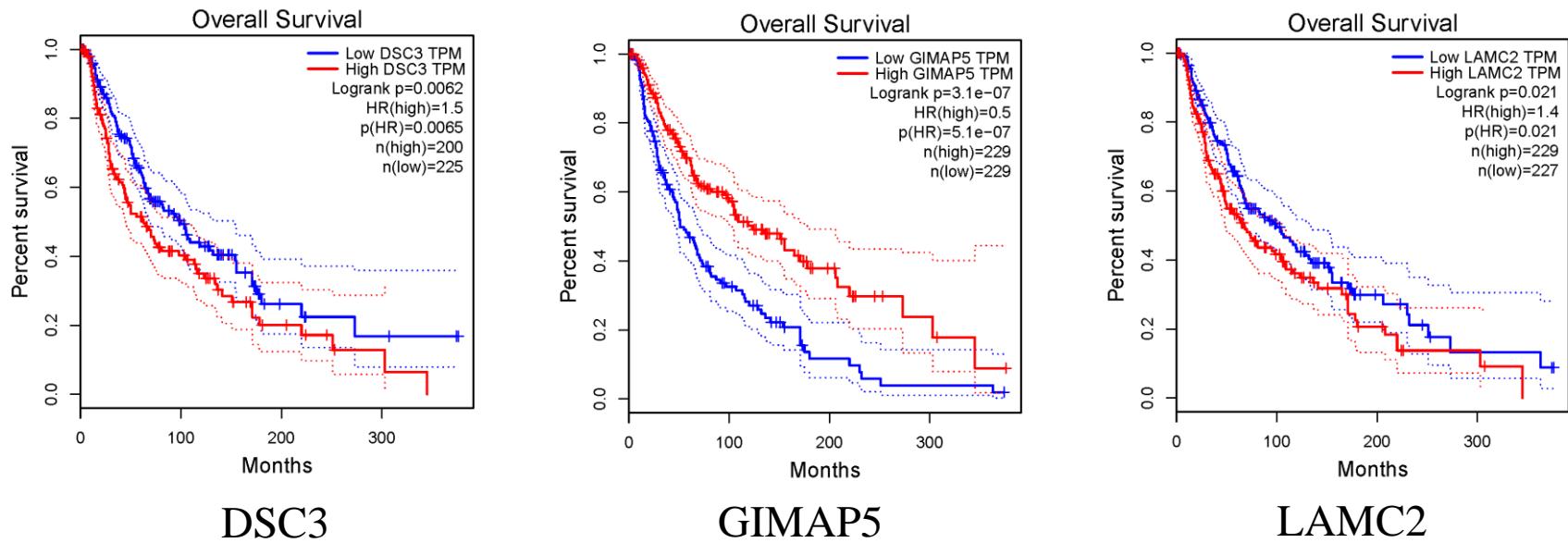


#### Overall Survival



**Supplementary Figure 3** Kaplan-Meier graphs exhibiting OS outcomes for low and high COL4A3 groups.

## Supplementary Figure4



**Supplementary Figure 4** Kaplan-Meier graphs exhibiting OS outcomes for low and high groups of DSC3, GIMAP5, LAMC2.