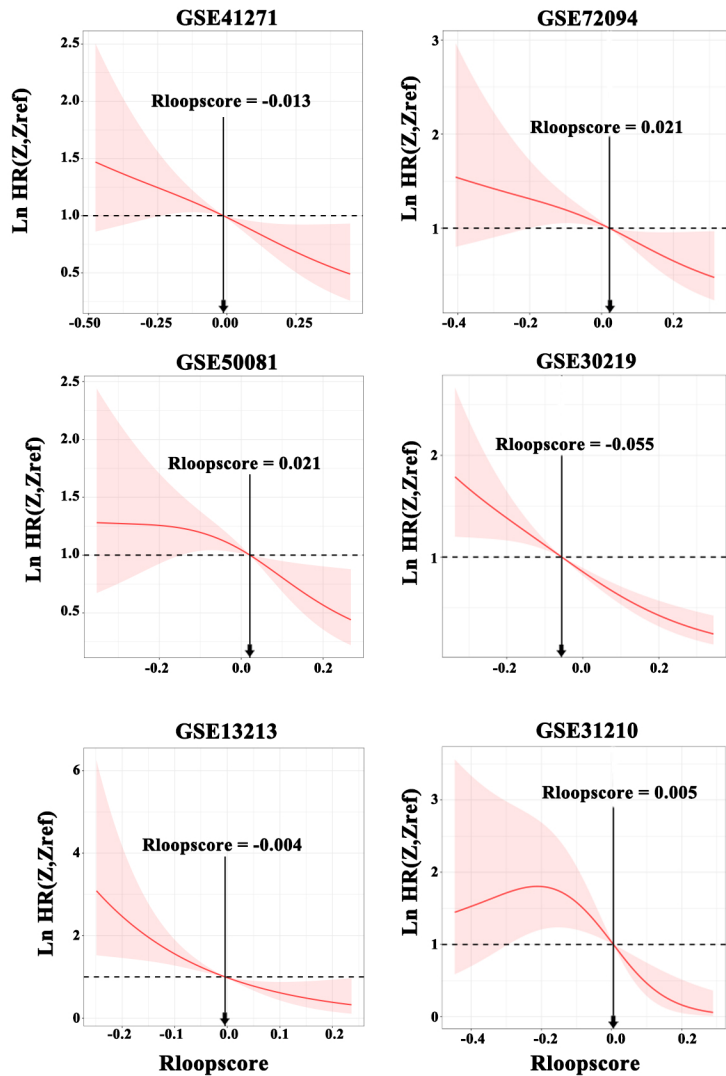


**A****B****Group****Roop<sup>Low</sup> vs Roop<sup>High</sup>**

LUAD  
 GSE13213  
 GSE30219  
 GSE31210  
 GSE41271  
 GSE72094

**age >60 vs age ≤ 60**

GSE30219

**Male vs Female**

GSE30219  
 GSE50081  
 GSE72094

**Stage III-IV vs Stage I-II**

LUAD  
 GSE13213  
 GSE72094

**EGFR Mut vs WT**

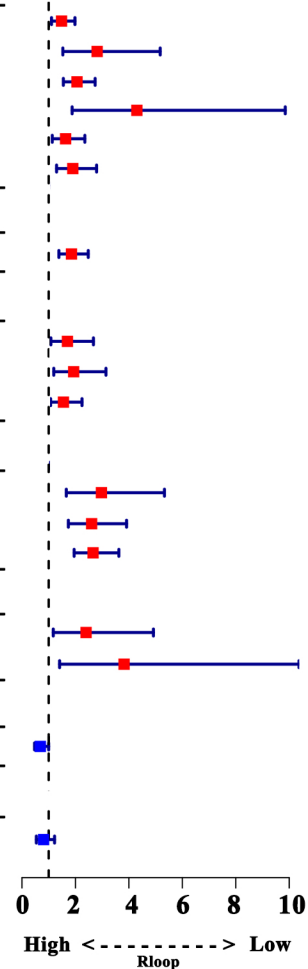
GSE31210  
 GSE72094

**KRAS Mut vs WT**

GSE72094

**TP53 Mut vs WT**

GSE72094

**HR****P value**    **HR(CI Low-CI High)**

P value	HR(CI Low-CI High)
0.008	1.481(1.106–1.983)
<0.001	2.813(1.530–5.173)
<0.001	2.060(1.549–2.738)
<0.001	4.300(1.877–9.851)
0.008	1.633(1.133–2.353)
0.001	1.902(1.296–2.793)
<0.001	1.852(1.382–2.481)
0.021	1.701(1.082–2.674)
0.008	1.934(1.190–3.143)
0.020	1.552(1.072–2.246)
<0.001	2.660(1.952–3.626)
<0.001	2.974(1.659–5.331)
<0.001	2.607(1.736–3.914)
0.017	2.400(1.171–4.919)
0.008	3.821(1.408–10.367)
0.049	0.687(0.472–0.999)
0.313	0.810(0.538–1.220)