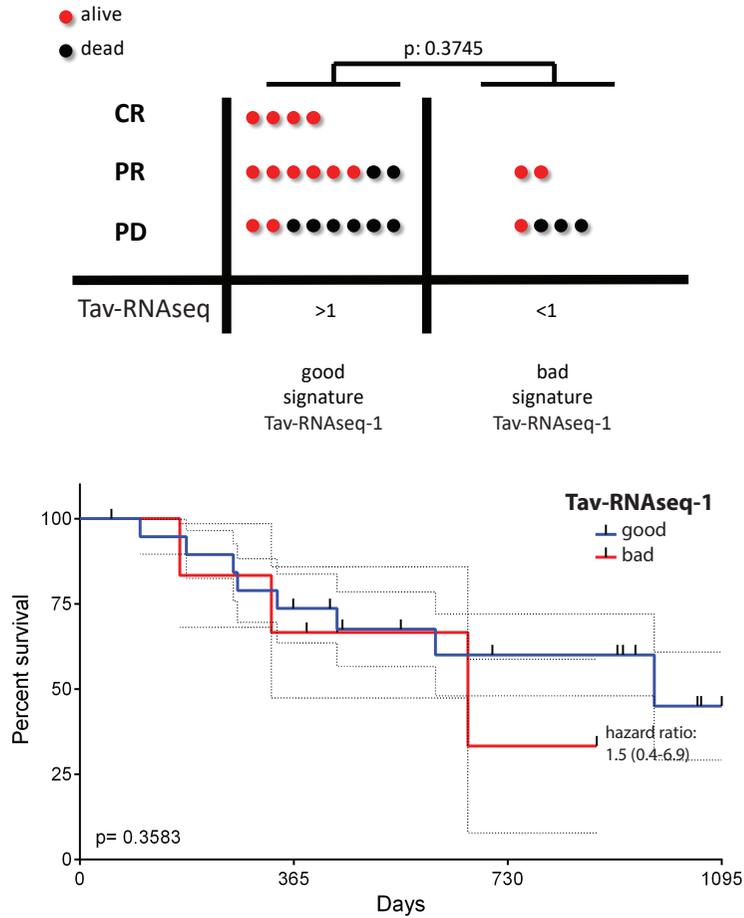
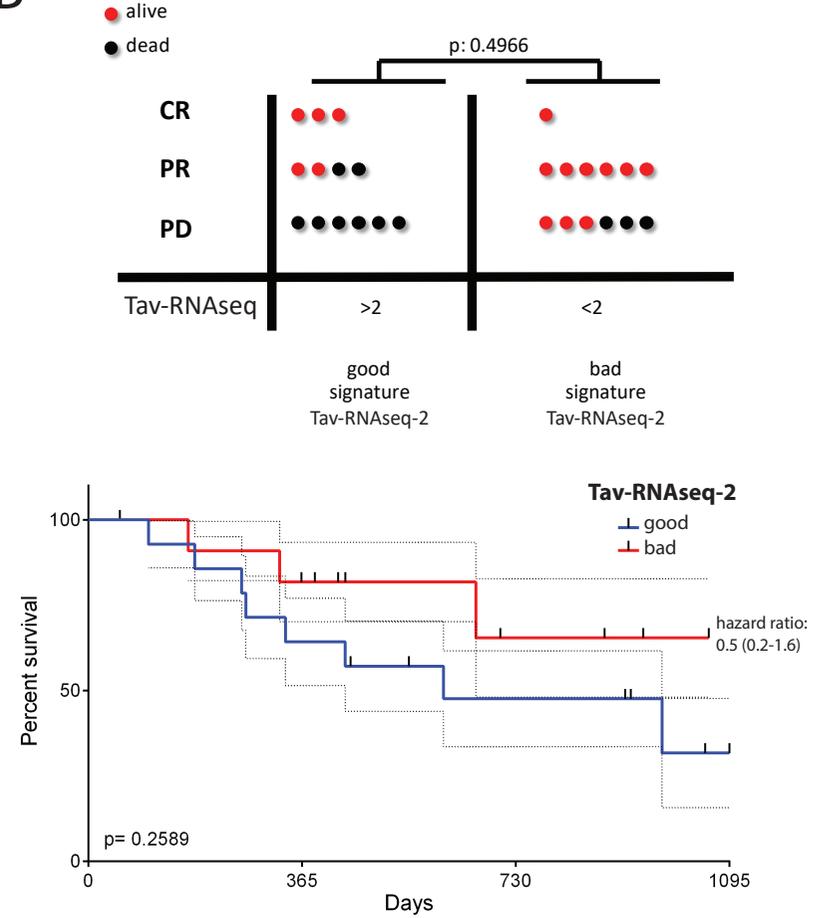


A



B



**Figure S9: No correlation between T-cell infiltration and response to nivolumab**

(A) (top panel): The mean expression level of signature-H genes in melanoma specimens (Tav-RNAseq)(Table S11) was evaluated, and the patients were accordingly divided into the good signature Tav-RNAseq-1 (specimens with Tav-RNAseq > 1) and the bad signature Tav-RNAseq-1 groups (specimens with Tav-RNAseq < 1). Dots represent single patients (the red dots indicate living patients and the black dots indicate dead patients) classified according to their response to the treatment (complete response, CR; partial response, PR; progressive disease, PD). The response of the patients in the good and the bad signature Tav-RNAseq-1 was not significantly different according to the results of the contingency chi-square test.

(A) (bottom panel): The Kaplan-Meier curve for the good signature Tav-RNAseq-1 group (blue line) and the bad signature Tav-RNAseq-1 group (red line) is shown. The survival of the patients in the good and the bad signature Tav-RNAseq-1 groups was not significantly different according to the results of the log-rank Mantel-Cox test. The hazard ratio (95%CI) was calculated with the log-rank method and is shown.

(B) (top panel): The mean expression level of signature-H genes in melanoma specimens (Tav-RNAseq)(Table S11) was evaluated, and the patients were accordingly divided into the good signature Tav-RNAseq-2 (specimens with Tav-RNAseq > 2) and the bad signature Tav-RNAseq-2 groups (specimens with Tav-RNAseq < 2). Dots represent single patients (the red dots indicate living patients and the black dots indicate dead patients) classified according to their response to the treatment (complete response, CR; partial response, PR; progressive disease, PD). The response of the patients in the good and the bad signature Tav-RNAseq-2 groups was not significantly different according to the results of the contingency chi-square test.

(B) (bottom panel): The Kaplan-Meier curve for the good signature Tav-RNAseq-2 group (blue line) and the bad signature Tav-RNAseq-2 group (red line) is shown. The survival of the patients in the good and the bad signature Tav-RNAseq-2 groups was not significantly different according to the results of the log-rank Mantel-Cox test. The hazard ratio (95%CI) was calculated with the log-rank method and is shown.