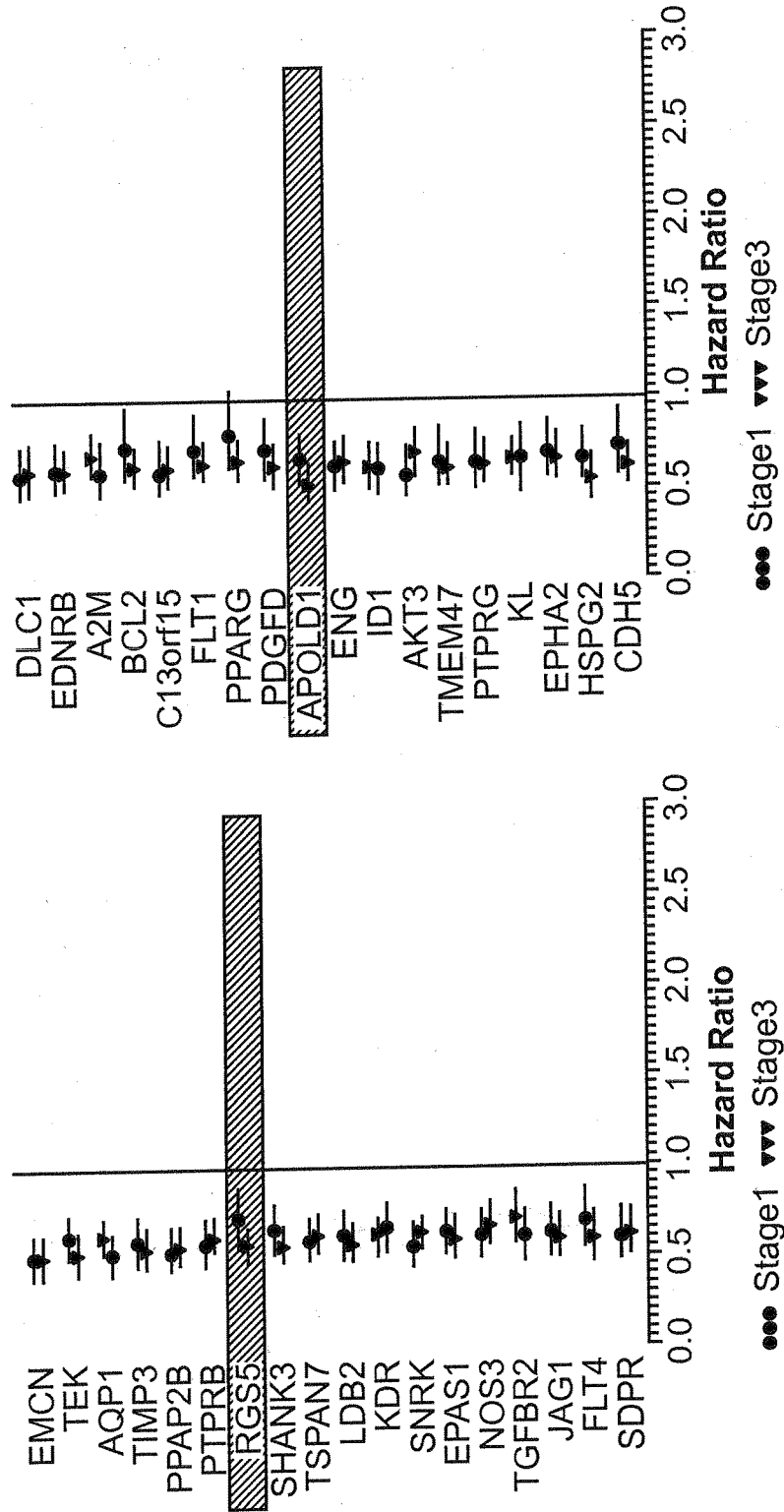


Consistency between Stage I and III for Exemplary Genes Associated with RFI

Comparison of Hazard Ratios for Genes based on Stage Comparison of Hazard Ratios for Genes based on Stage



*unadjusted analyses

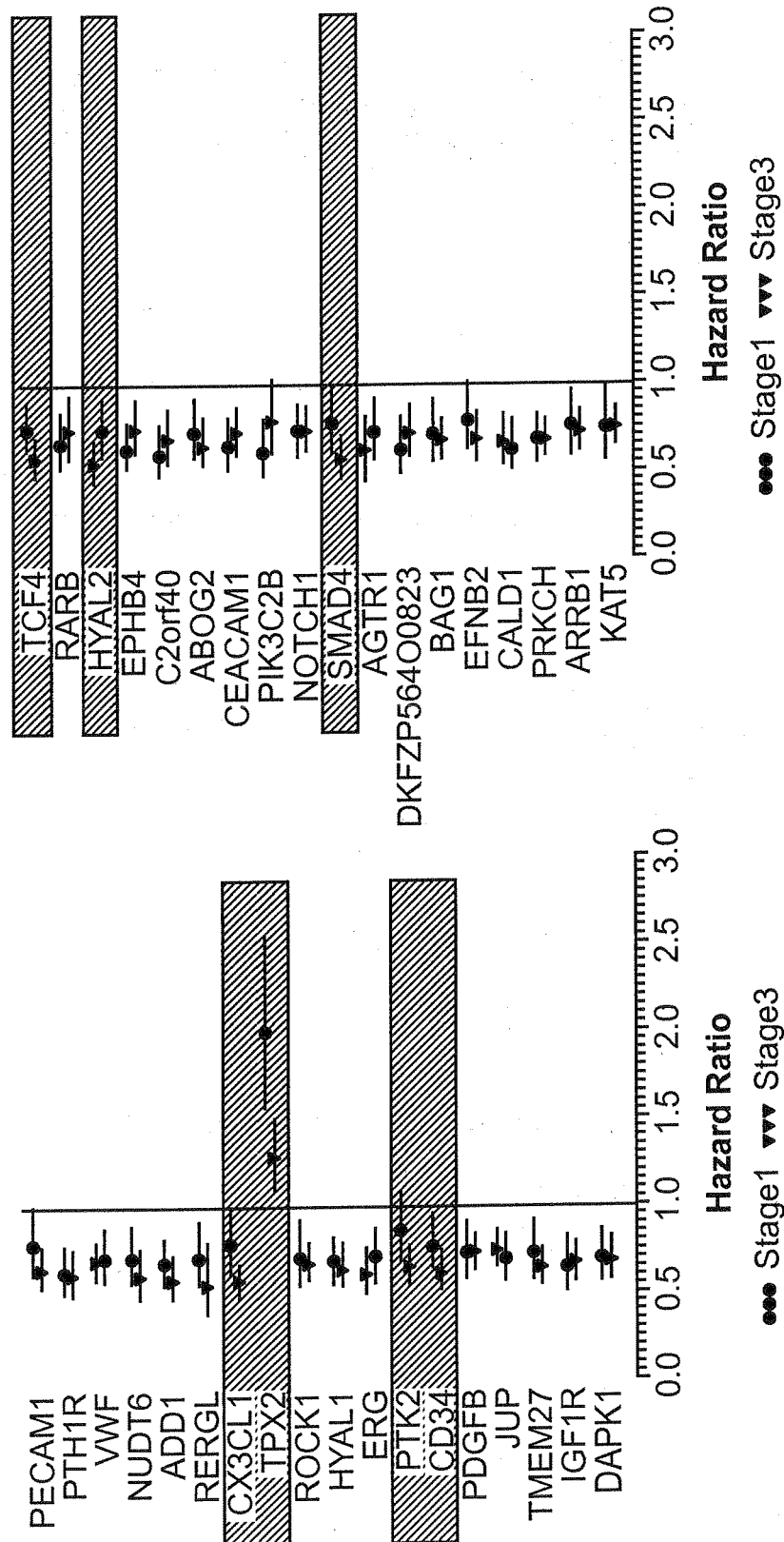
• Shaded genes have significant interaction with stage

• 195 genes have sig. interactions with stage p < 0.10

FIG. 1a

Consistency between Stage I and III for Exemplary Genes Associated with RFI

Comparison of Hazard Ratios for Genes based on Stage



*unadjusted analyses
Shaded genes have significant interaction with stage

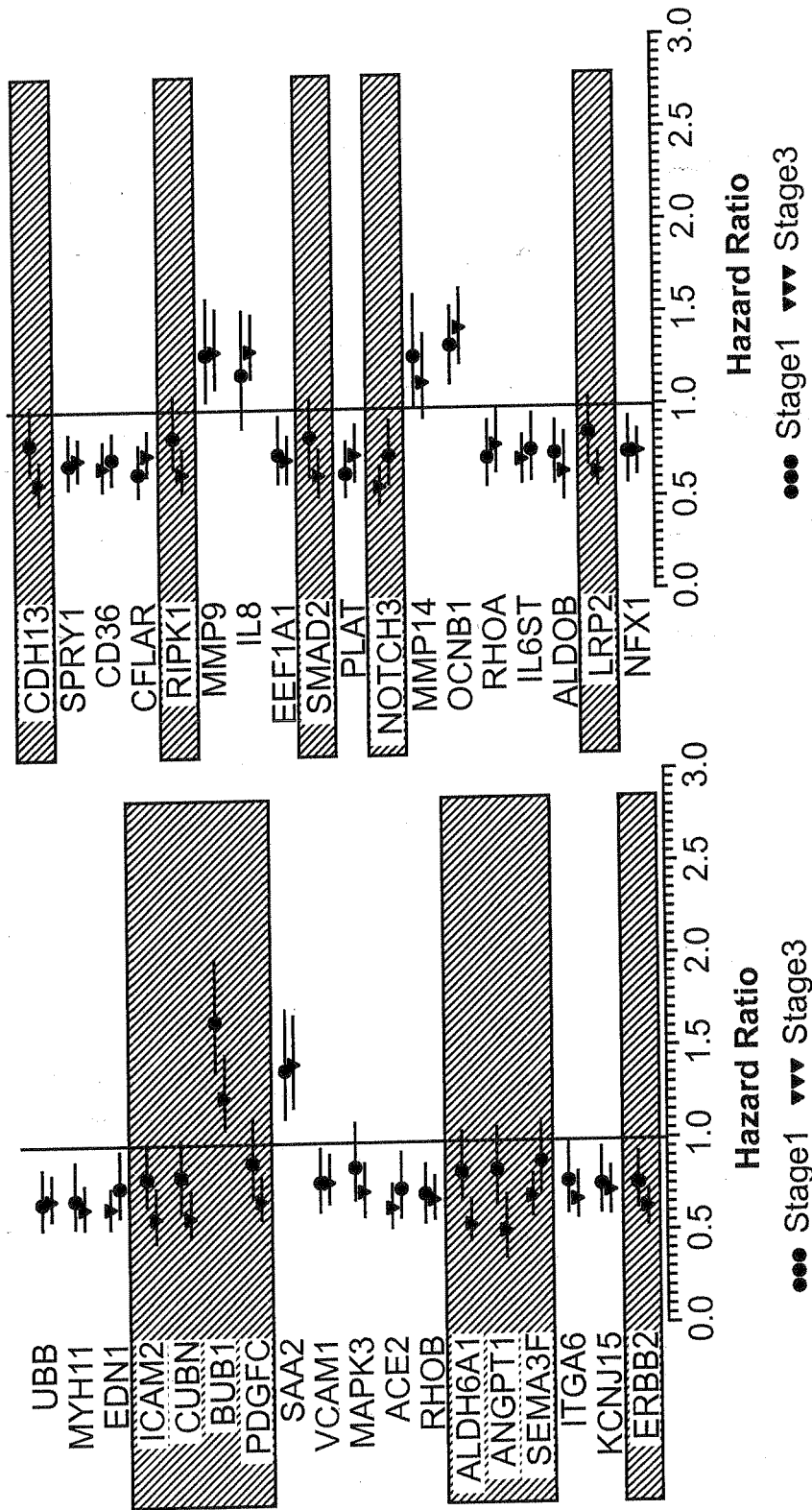
FIG. 1b

+

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Consistency between Stage I and III for Exemplary Genes Associated with RFI

Comparison of Hazard Ratios for Genes based on Stage



*unadjusted analyses
Shaded genes have significant interaction with stage

FIG. 1c

Consistent Result across Endpoints (RFI and OS) for Exemplary Genes

Comparison of Hazard Ratios for Genes based on Outcome Comparison of Hazard Ratios for Genes based on Outcome

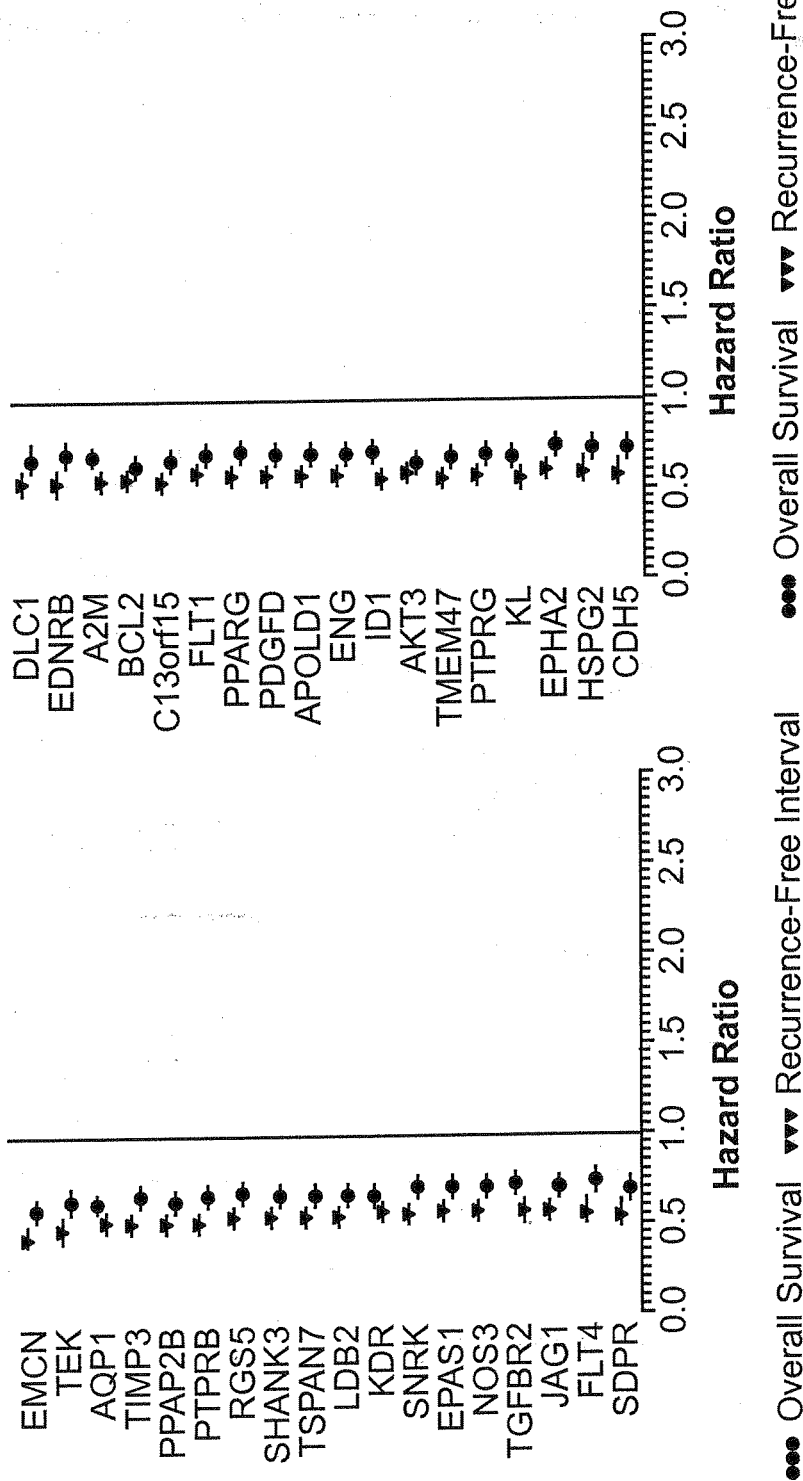


FIG. 2

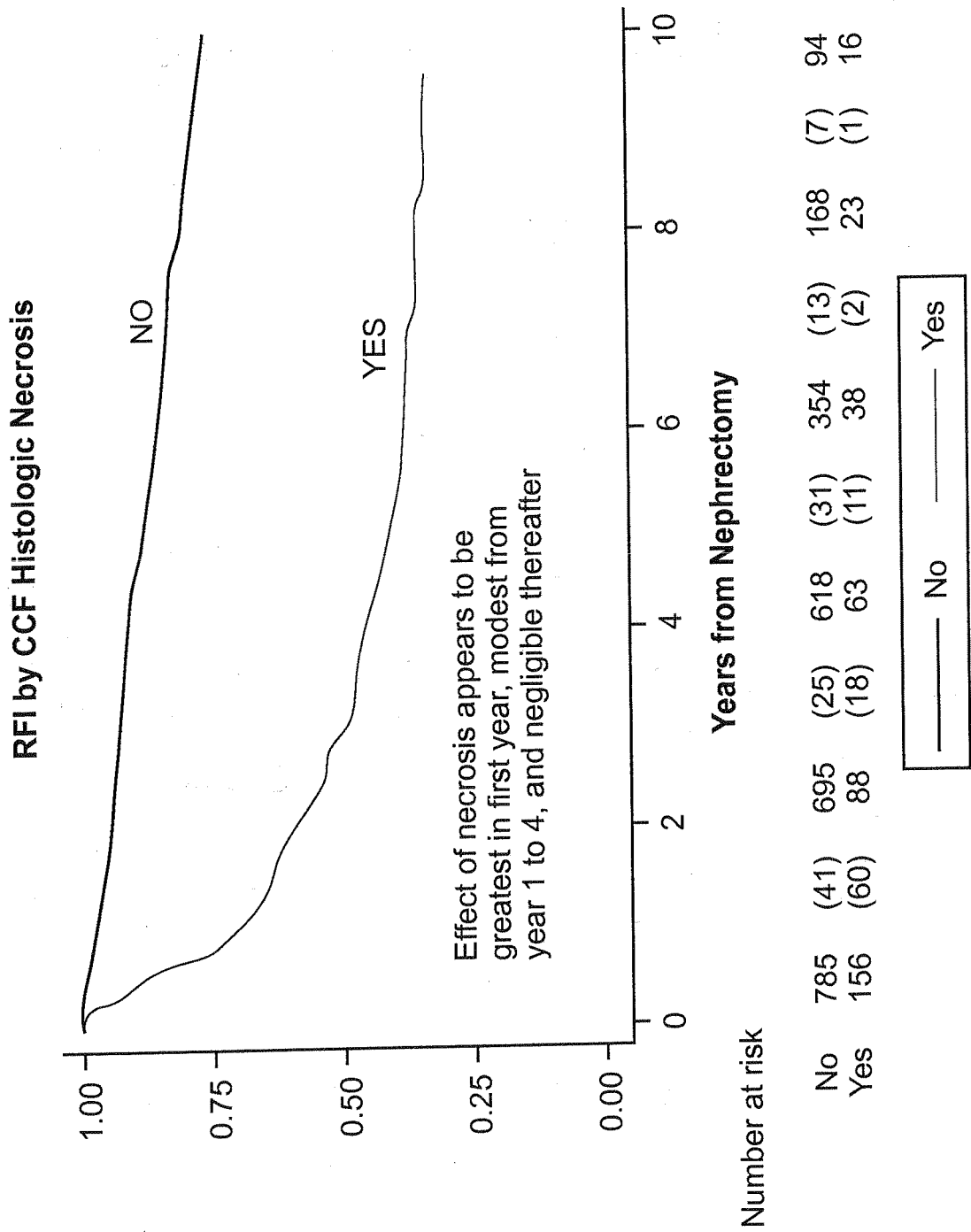
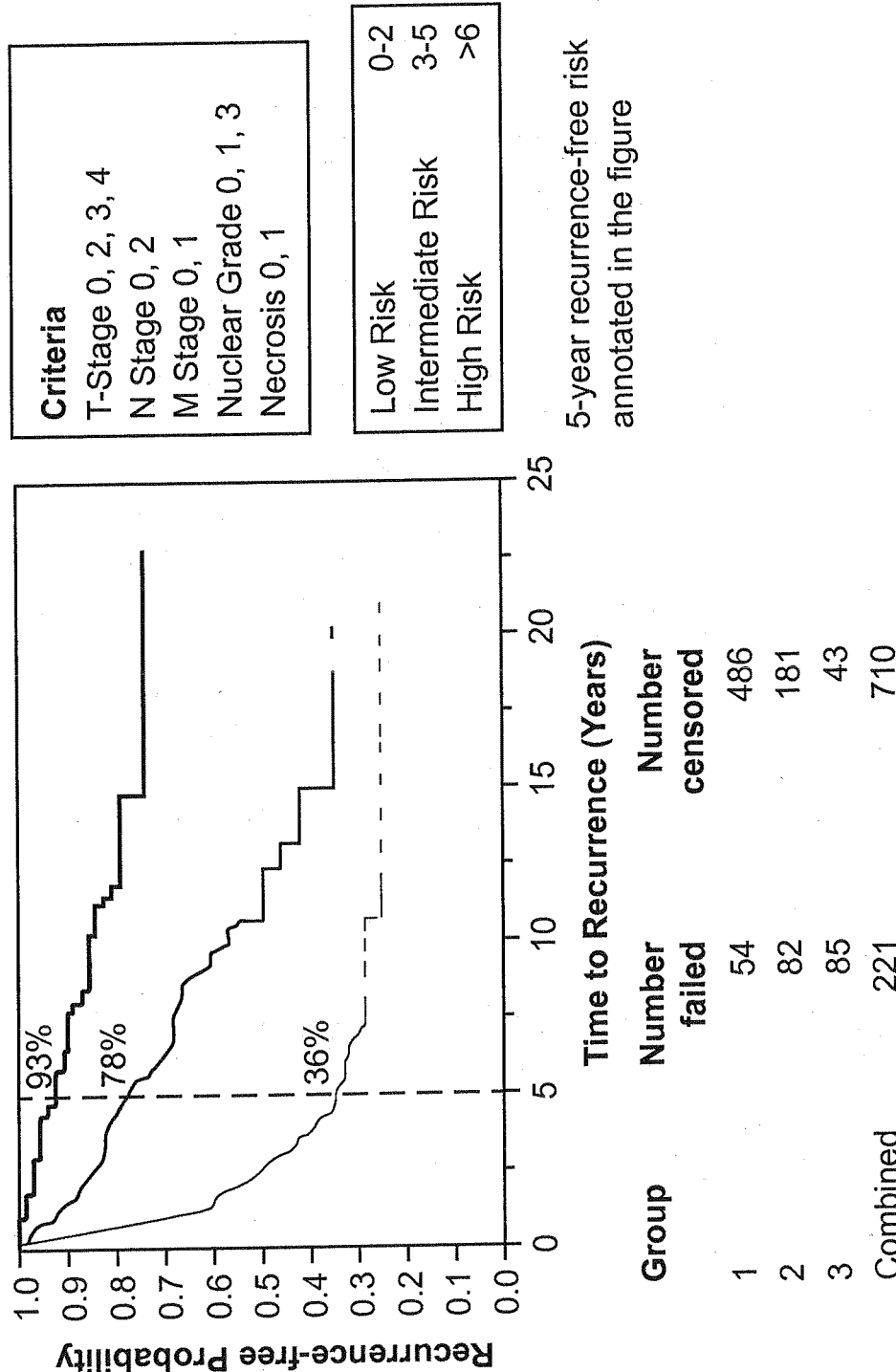


FIG. 3

Performance of Mayo¹ Prognostic Tool Applied to CCF Data

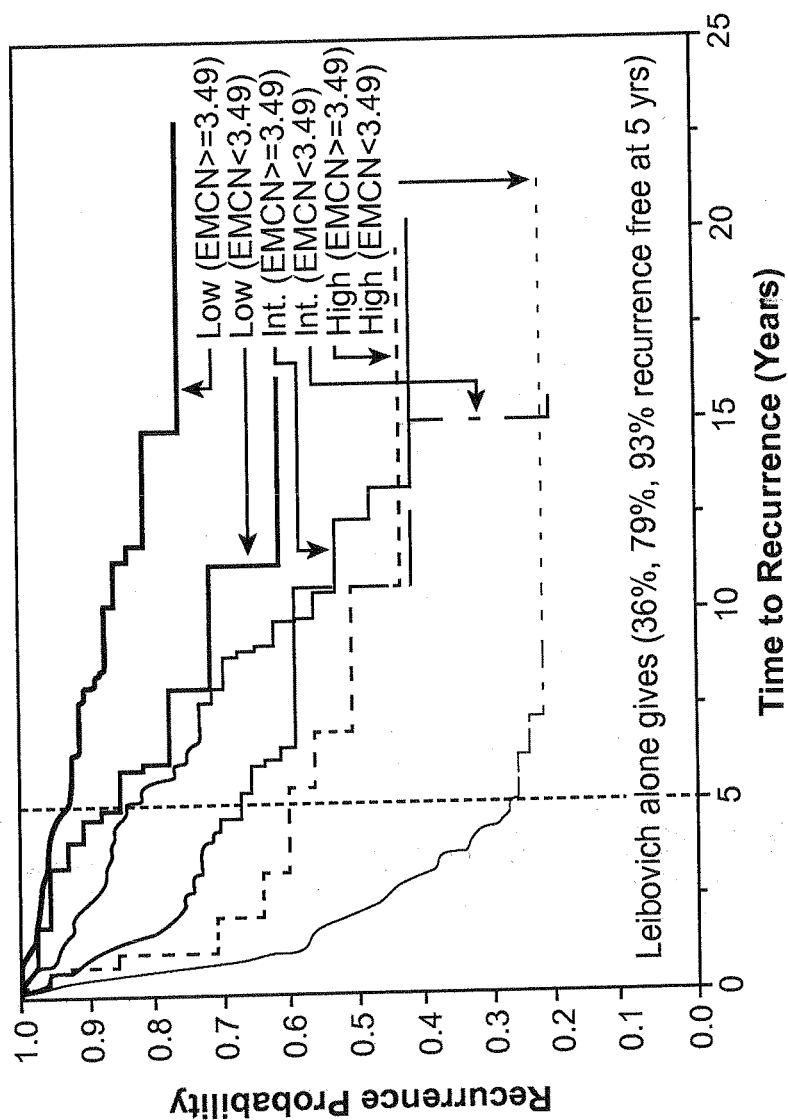


1. Leibovich BC, Blute ML, Cheville JC, et al. Prediction of progression after radical nephrectomy for patients with clear cell renal cell carcinoma. Cancer 2003;97:1663-1671

“5-year recurrence-free risk” means proportion without recurrence at 5 years

FIG. 4

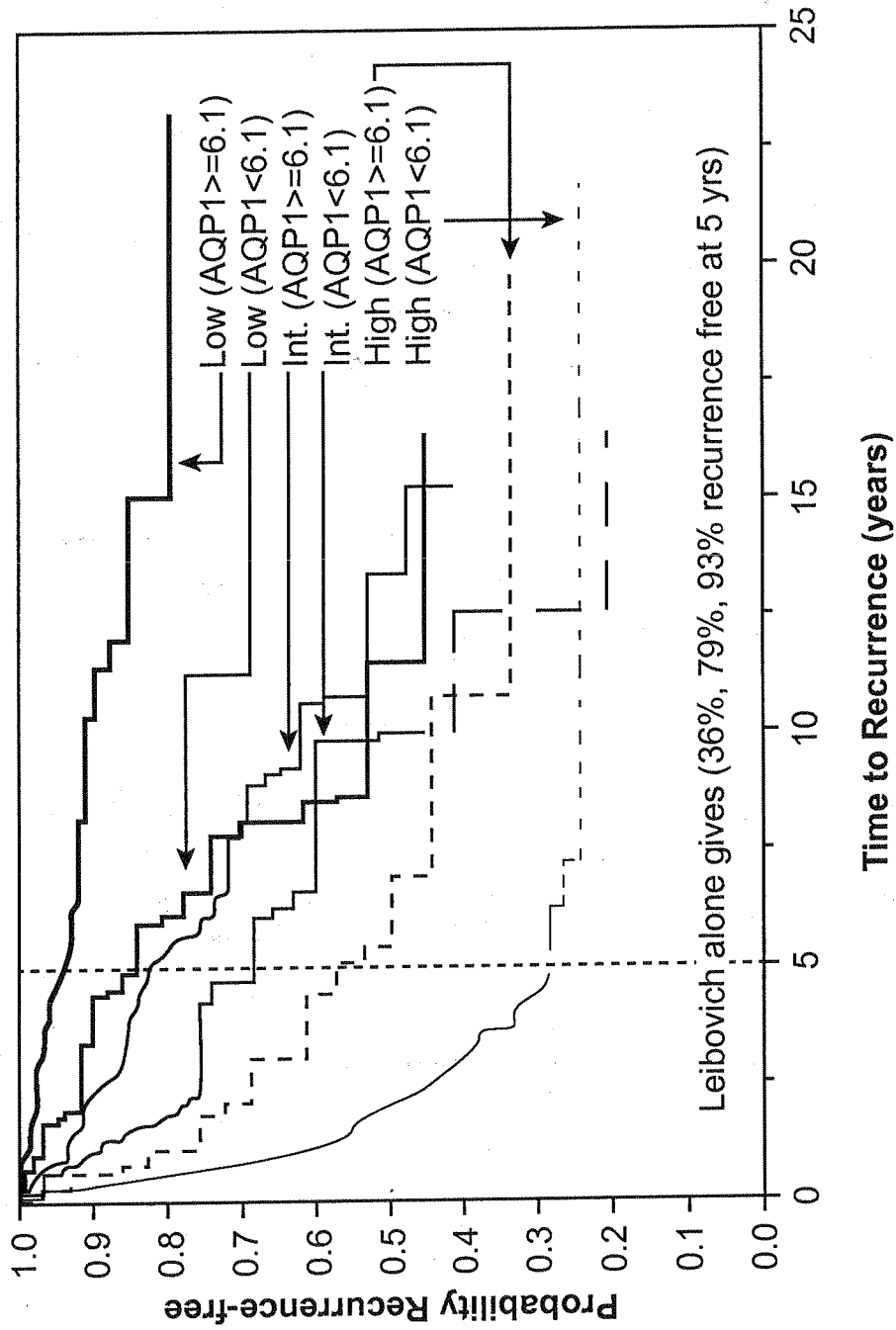
**Example of Using 1 Gene to Improve Prediction: EMCN in addition to Mayo Criteria
(Leibovich et. al.)**



- Cutpoint for EMCN derived by looking at quartiles of EMCN expression and their KM curves for RFI
- EMCN gives good separation beyond clinical/pathology covariates
- Similar results with other key genes named earlier

FIG. 5

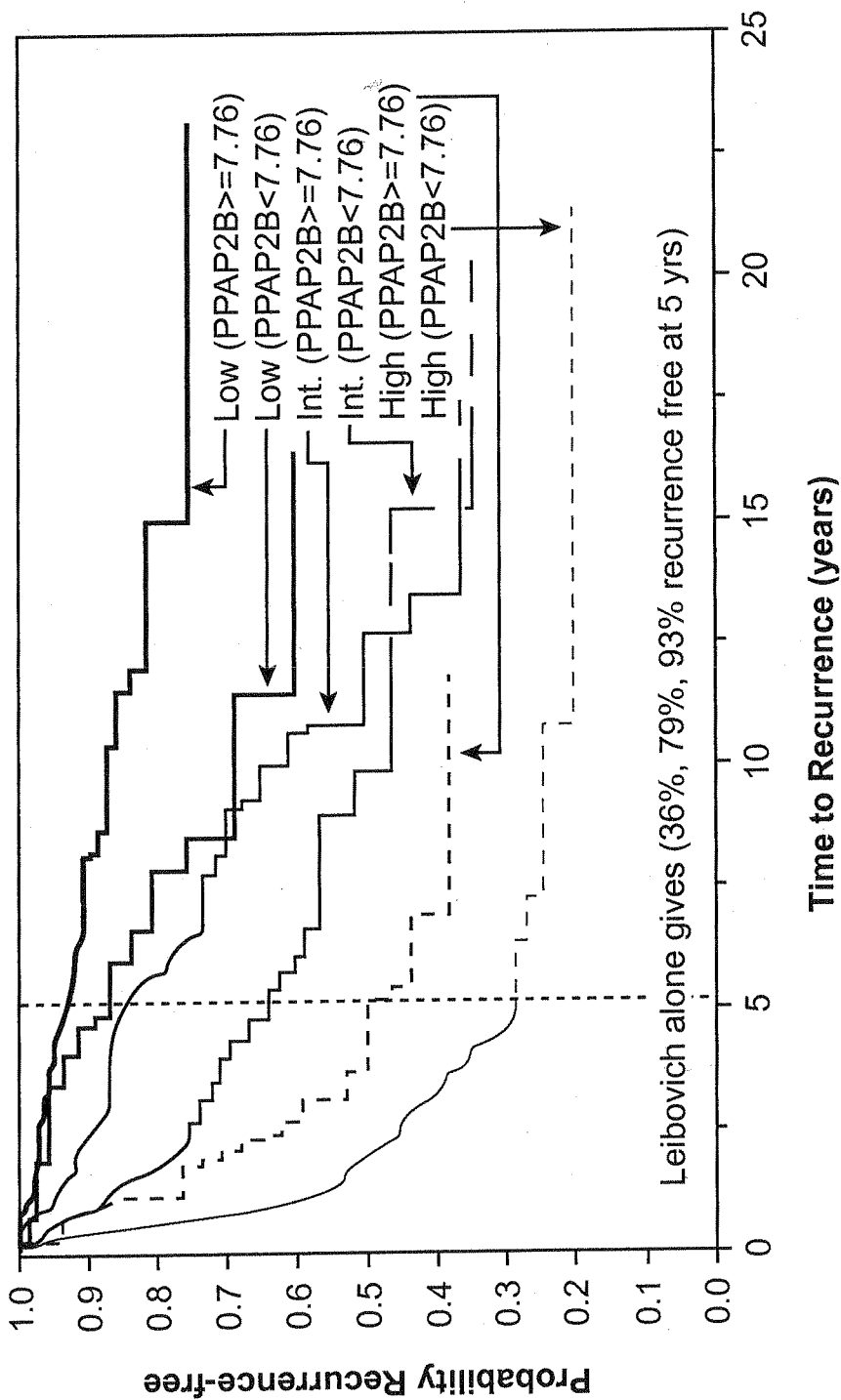
Example of Using 1 Gene to Improve Prediction: AQP1 in addition to Mayo Criteria
(Leibovich et. al.)



Cutpoint for AQP1 derived by looking at quartiles of AQP1 expression and their KM curves for RFI

FIG. 6

Example of Using 1 Gene to Improve Prediction: PPAP2B in addition to Mayo Criteria
(Leibovich et. al.)



Cutpoint for PPAP2B derived by looking at quartiles of PPAP2B expression and their KM curves for RFI

FIG. 7