

ASAH1 rGBM Manuscript ELISA Figure

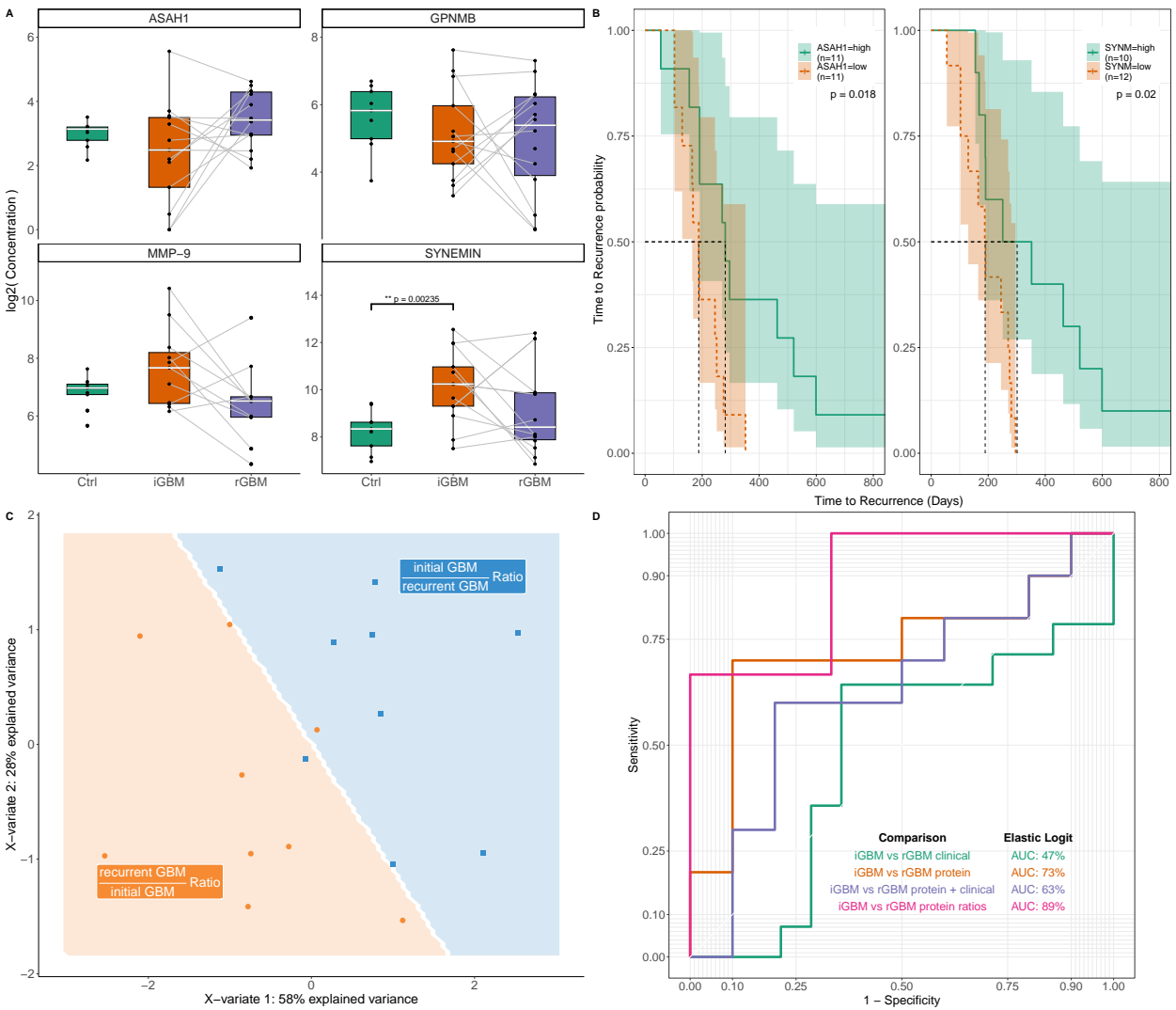
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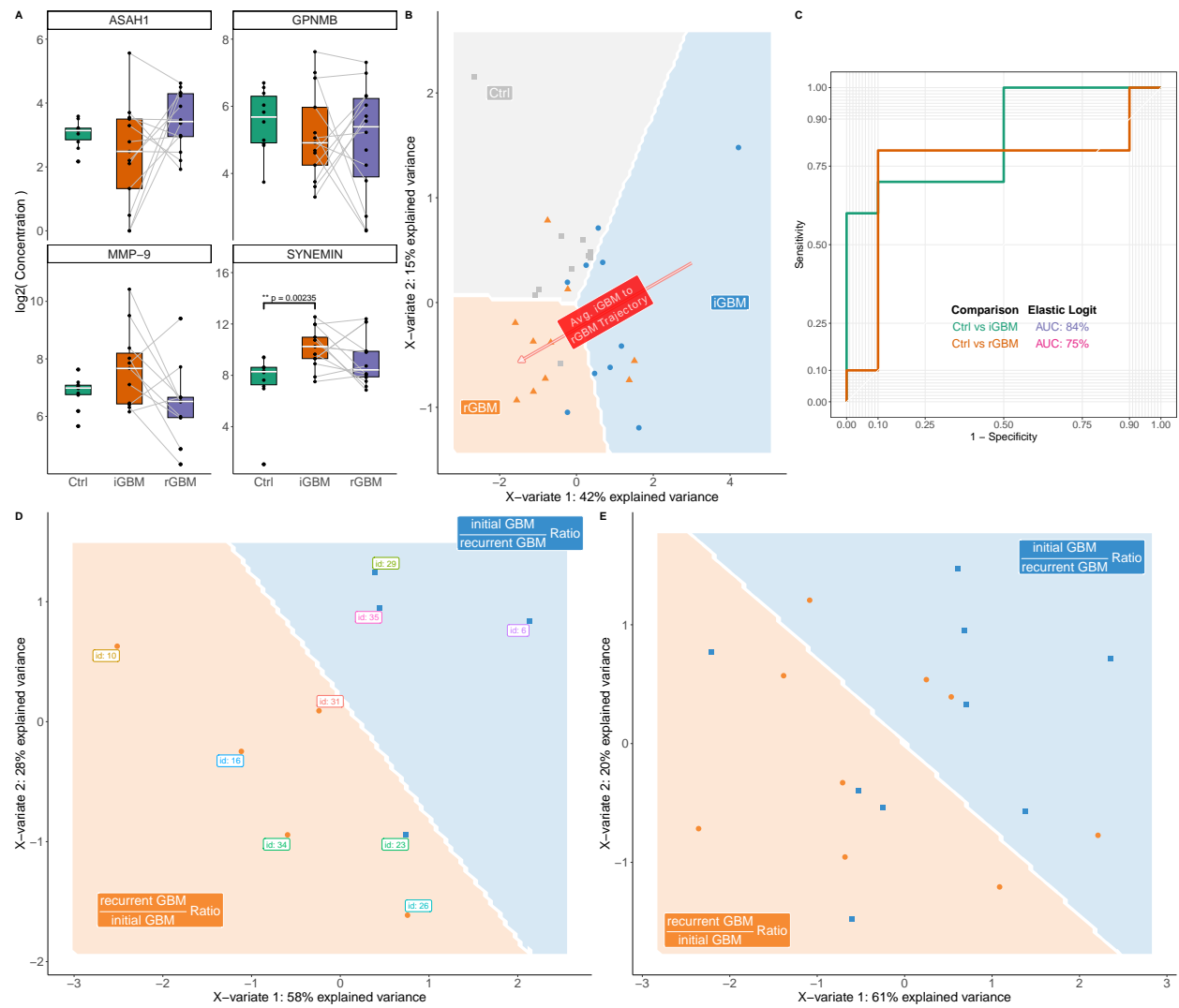
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Main Figure

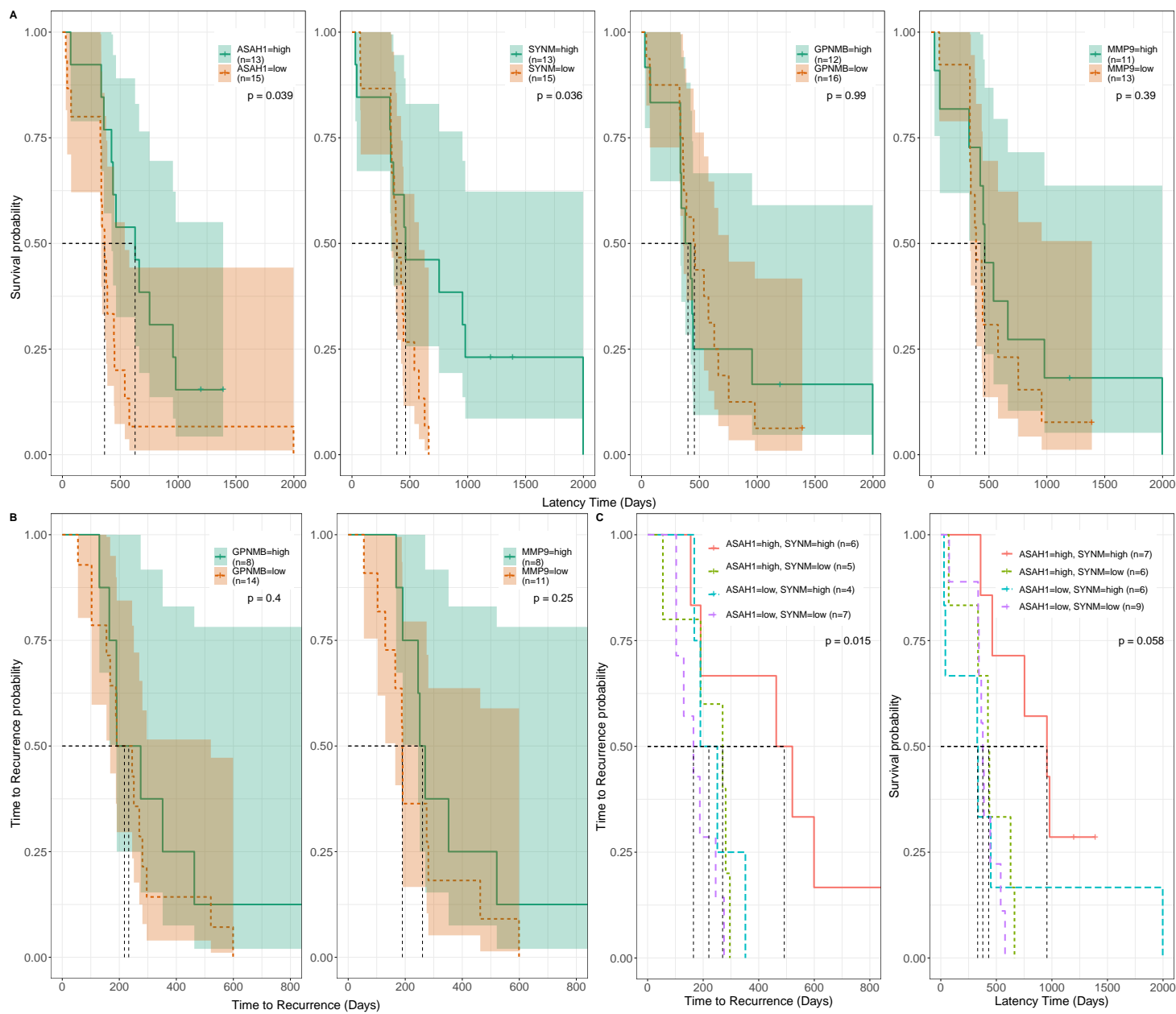


Supplemental Figure 1



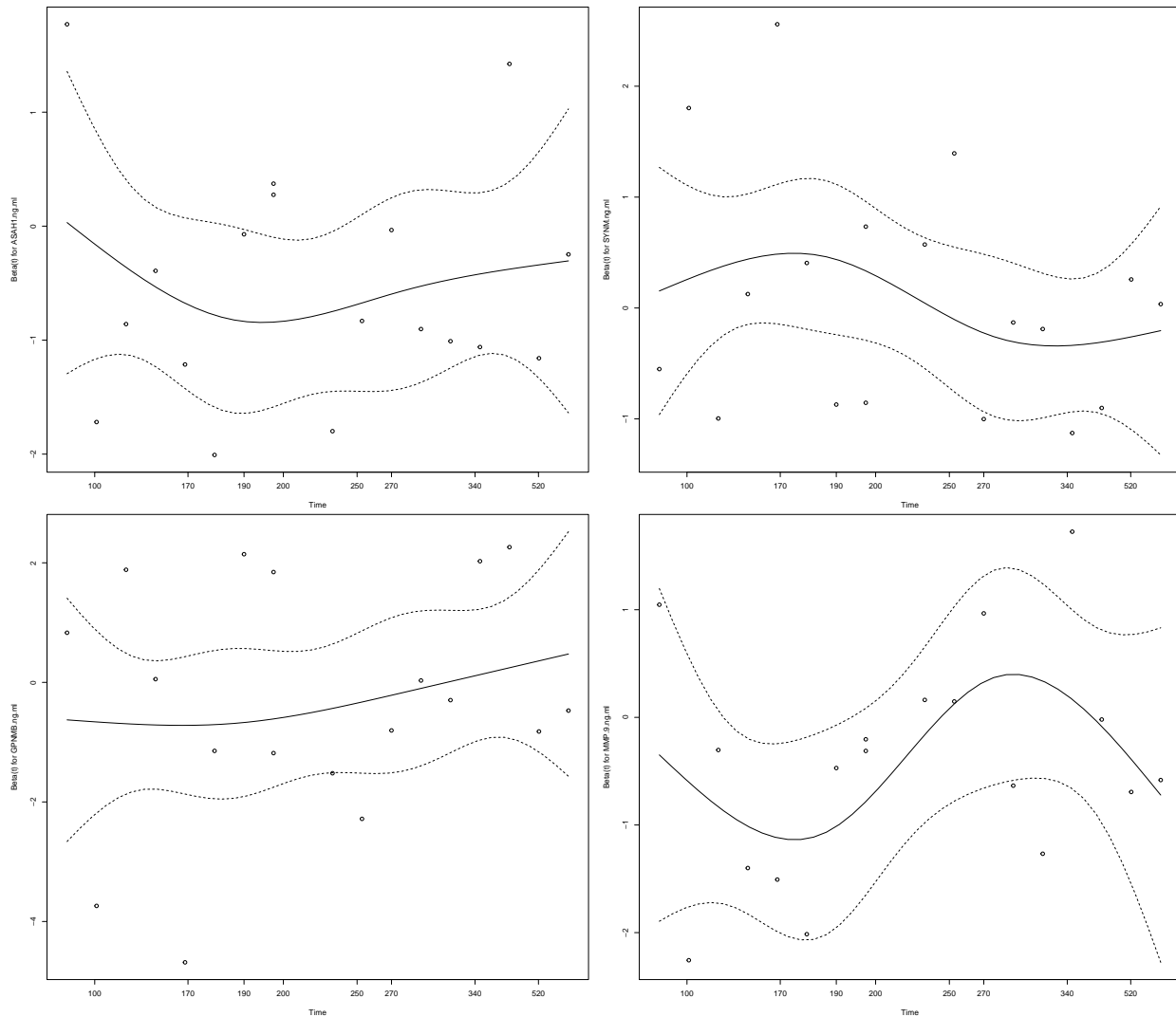
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Supplemental Figure 2



Extra COX-PH Model

Checking Assumptions

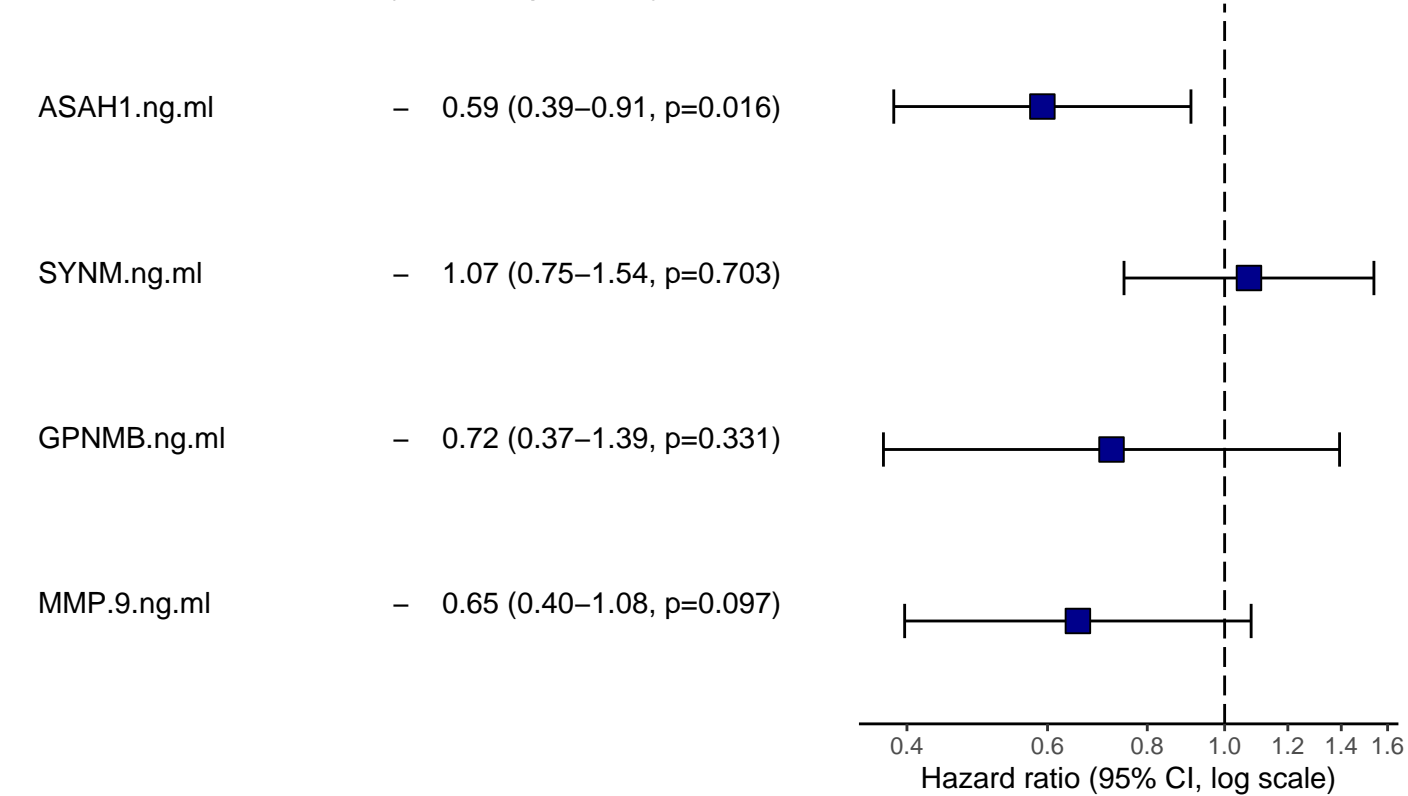


```
##               chisq df    p
## ASAH1.ng.ml  0.805483  1 0.37
## SYNM.ng.ml   1.004806  1 0.32
## GPNMB.ng.ml  0.000082  1 0.99
## MMP.9.ng.ml  0.834295  1 0.36
## GLOBAL       4.372827  4 0.36
```

Checking assumptions of no time trend of the residuals, it seems like only MMP-9 might violate this assumption.

Dependent: Surv(Time.to.reccurence..days., status)		all	HR (univariable)	HR (multivariable)
ASAH1.ng.ml	Mean (SD)	2.2 (1.5)	0.77 (0.58-1.02, p=0.066)	0.59 (0.39-0.91, p=0.016)
SYNM.ng.ml	Mean (SD)	9.8 (2.2)	0.91 (0.79-1.05, p=0.183)	1.07 (0.75-1.54, p=0.703)
GPNMB.ng.ml	Mean (SD)	5.3 (1.5)	0.85 (0.65-1.10, p=0.213)	0.72 (0.37-1.39, p=0.331)
MMP.9.ng.ml	Mean (SD)	7.5 (1.2)	0.87 (0.57-1.34, p=0.536)	0.65 (0.40-1.08, p=0.097)

Time to Recurrence: HR (95% CI, p-value)



Holding other variables constant, a reduction in ASAH1 reduces the time to recurrence by a factor of 0.55, or 45 percent. This seems to be inline with the KM plot for ASAH1, however, SYNM seems to be a different story..