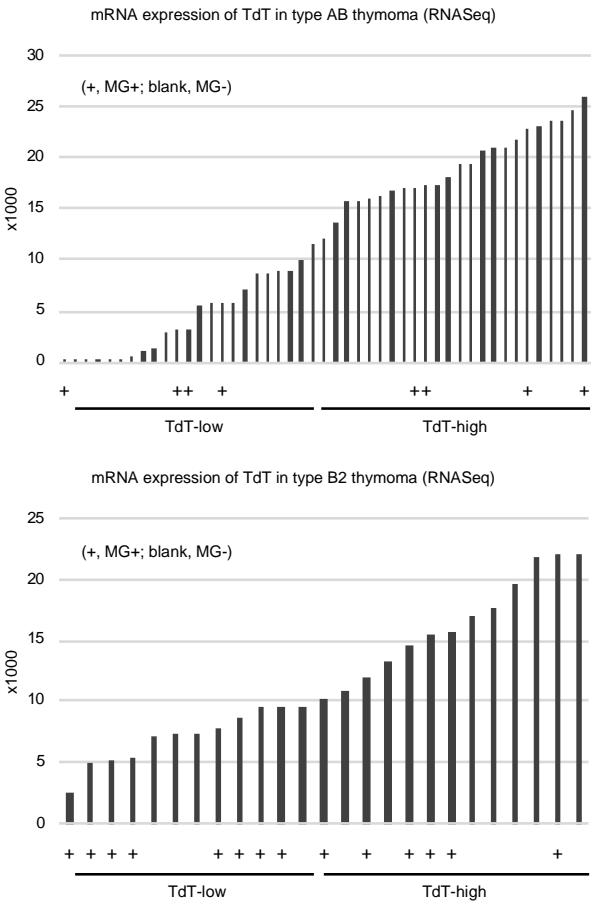


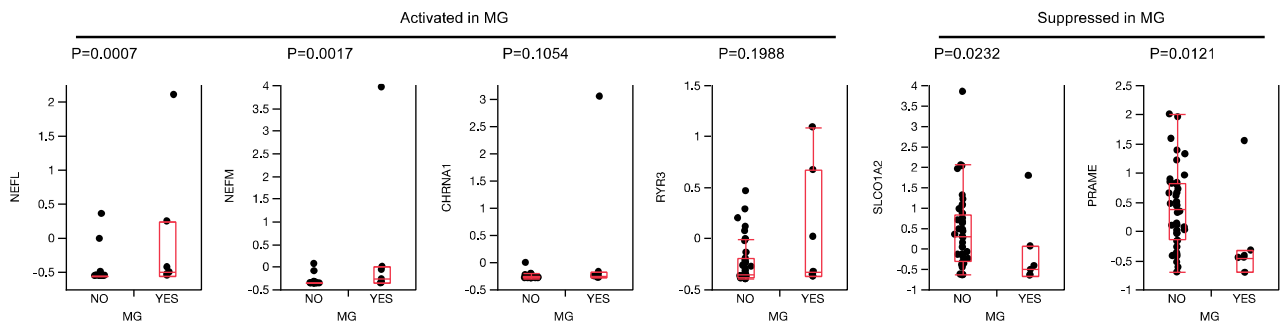
Supplementary Material

Supplementary Figures

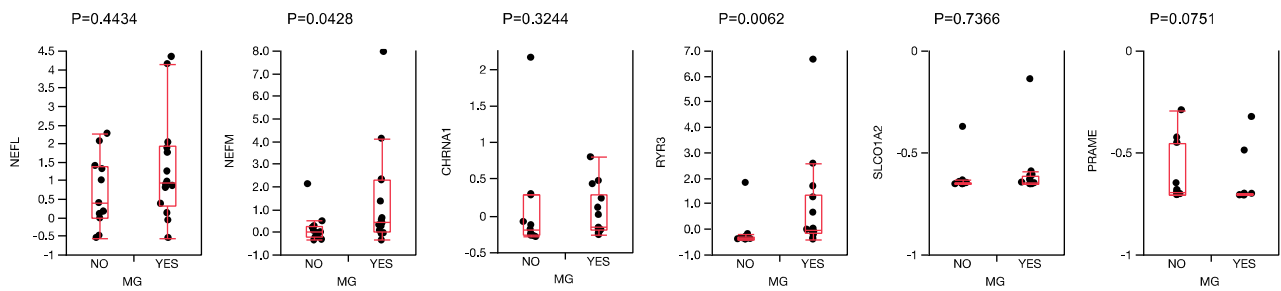


Supplementary Figure 1 (Figure S1): Histogram of TdT (terminal deoxynucleotidyl transferase) mRNA expression in type AB and type B2 thymomas. The vertical axis denotes the expression level of TdT (the normalized counts from all thymoma samples). The horizontal axis indicates each case: + means MG+ case, and blank means MG- case.

Expression of MG related genes by Radovich et al. (2018) in type AB thymoma



Expression of MG related genes by Radovich et al. (2018) in type B2 thymoma



Supplementary Figure 2 (Figure S2): Expression of MG related genes as reported by Radovich et al (8) (i.e., NEFL, NEFM, CHRNA1, RYR3, SLCO1A2, and PRAME) after stratification in type AB and type B2 thymomas. The MG association of neurofilaments (NEFL, NEFM) is stronger in type AB than B2 thymomas, and expression of the brain-type ryanodine receptor, RYR3 is stronger in type B2 than AB thymomas.

Supplementary Table 1 (Table S1)

Table S1. Downregulation of Olfactory transduction pathway in MG+ type AB thymoma

Name	Main_Category	Sub_Category	Group	NES	adjusted_pvalue
hsa04740_Olfactory_transduction	5. Organismal Systems	5.7. Sensory system	Type AB, TdT-low	-1.98	0.0040
hsa04740_Olfactory_transduction	5. Organismal Systems	5.7. Sensory system	Type AB, TdT-high	-1.16	0.2831

NES, normalized enrichment scores