

Utilization of Tumor-derived Extracellular Vesicles for Patient Stratification and Biomarker Discovery Claire Seibold, Tia Seibold, Margie Kinnersley, Tre Blohm, Kelley Van Vaerenberghe, Rachel Short-Miller, Sean Lodmell, Amanda Mast, Riley Kemp, and Katie Havranek



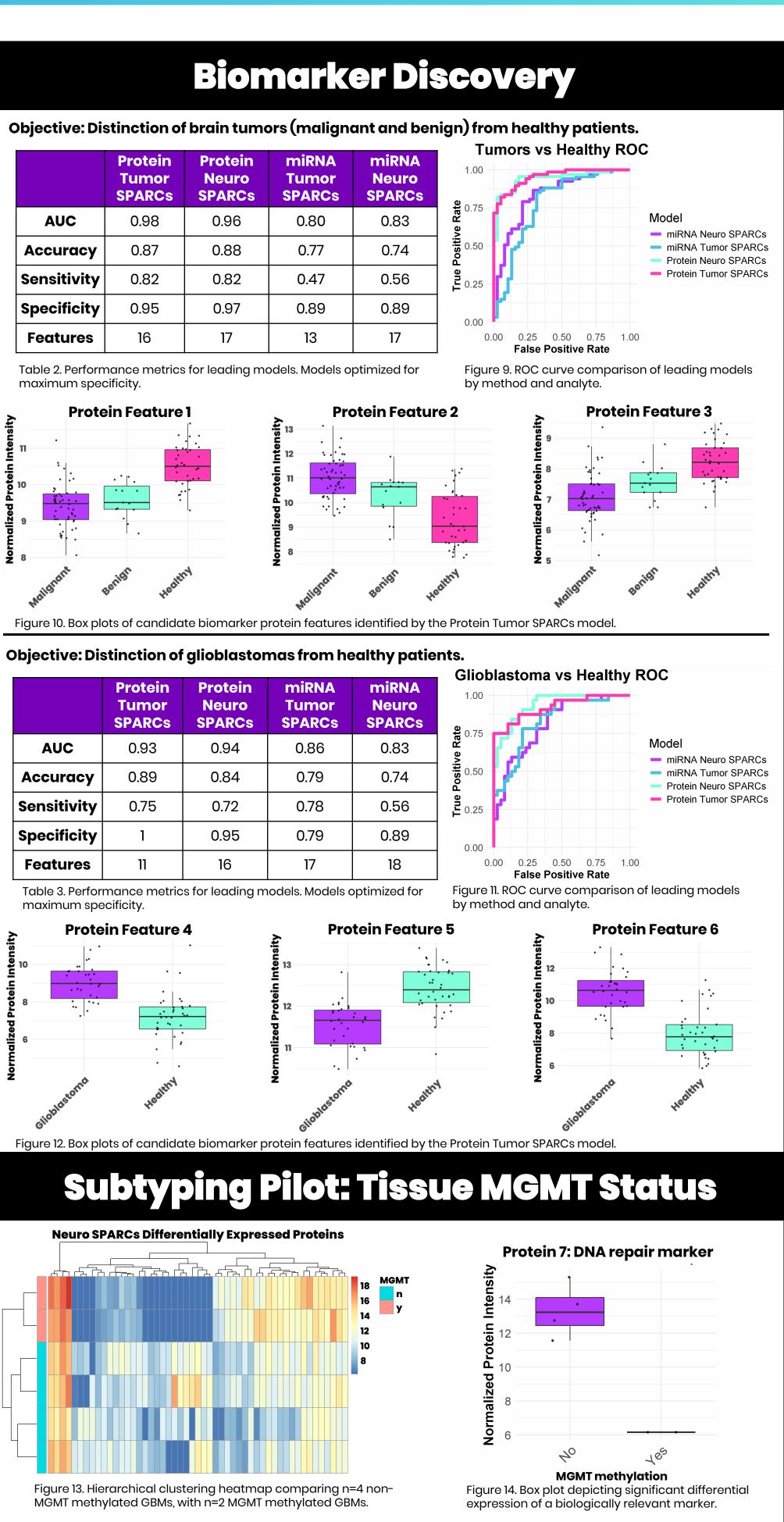


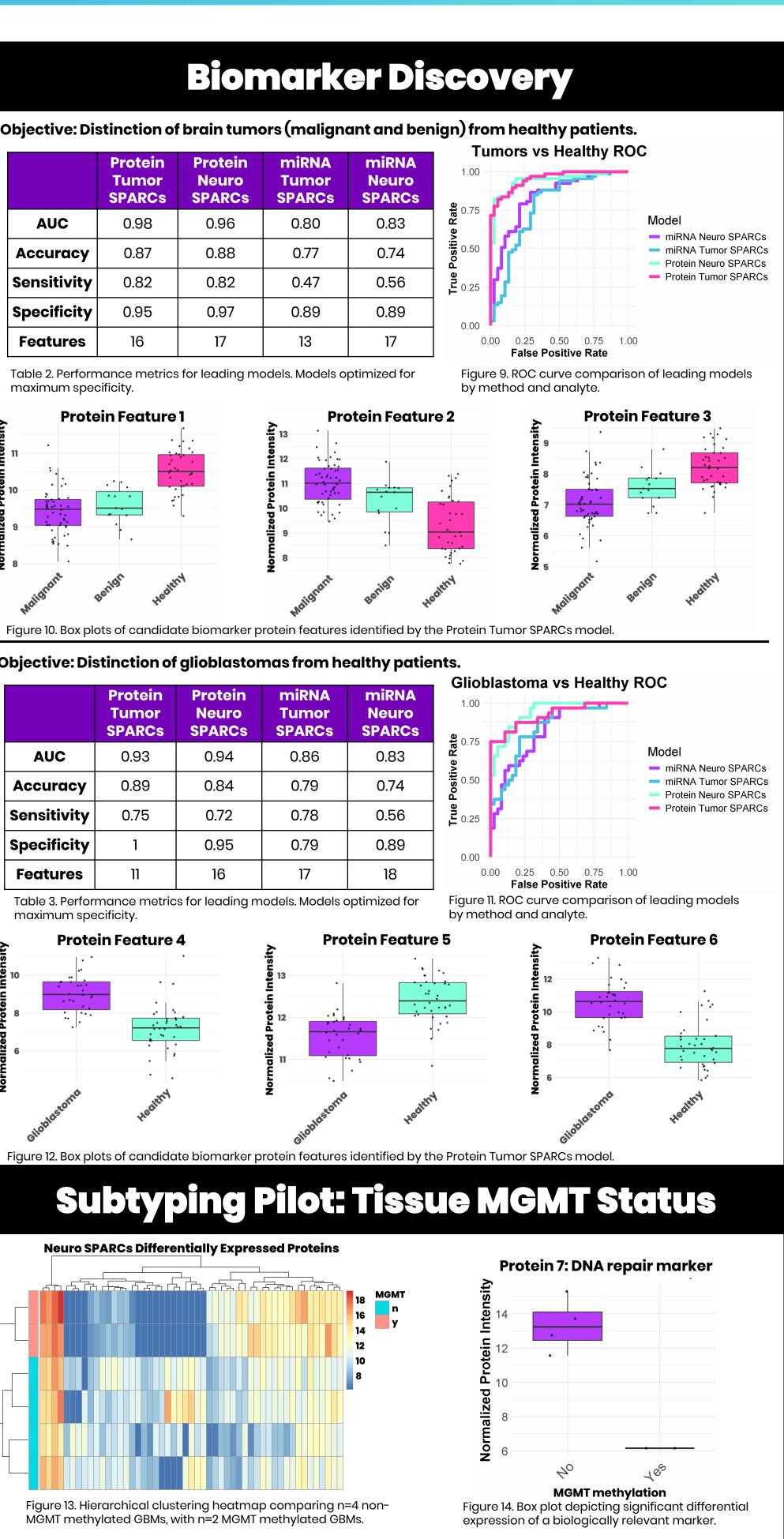
function, biological process) for DEPs identified in differential expression analysis

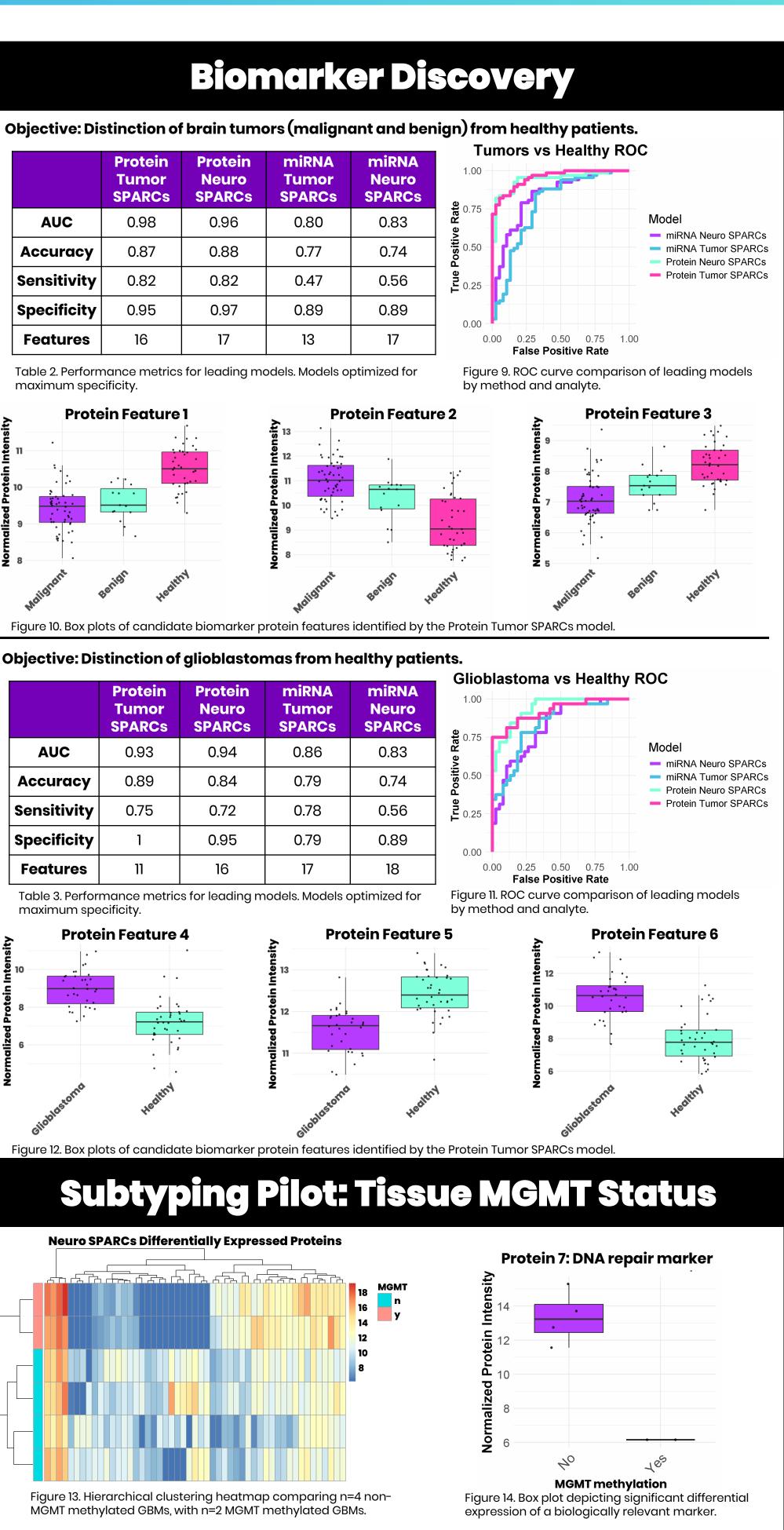
malignant vs. healthy shows that while in TDEVs and BDEVs (Fig.7). Identification of unique and biologically relevant GO DEPs (Fig.8) supports creation of unique

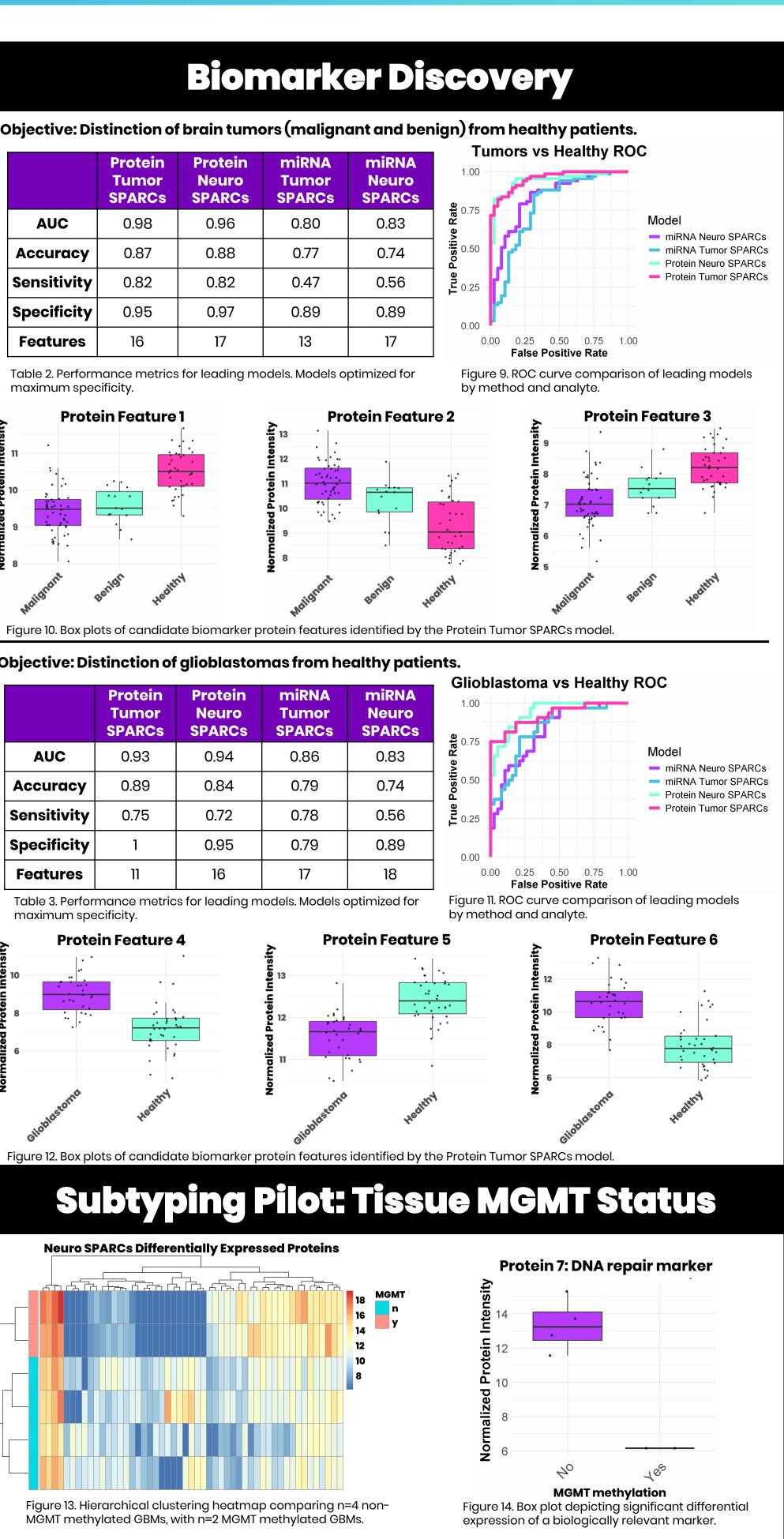
	Prote
	Tumo SPARO
AUC	0.98
Accuracy	0.87
Sensitivity	0.82
Specificity	0.95
Features	16

maximum specificity.









For n=6 glioblastoma patient plasma specimens, matched tissue was assayed for MGMT promoter methylation status using PCR. Neuro SPARCs proteomic profiles provide preliminary evidence supporting the ability of BDEV subpopulations to identify novel liquid biomarkers for MGMT methylation status.

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