Tissue samples of cerebral melanoma metastases: poor responder n=5, good responder n=13

A) EMT by DAVID, KEGG and GSEA for poor responder

B) 9 proteins signature by nearest shrunken centroid for poor responder

C) Immune activity for good responder

1. Primary melanoma cell cultures defined by IC50 to MAPKi resistant n=2, sensitive n=3

1.1 ICC Staining correlation for A

1.2 WB correlation for A

2. Correlation of 9 proteins signature (correlation for B) to resistance by CPL/MUW proteome database

Targeted MS approach

1. Tissue samples of shotgun MS
   poor responder n=7, good responder n=4

2. added Tissue samples
   poor responder n=1, good responder n=4
   correlation for B

Clinical relevance

1. TGCA melanoma samples
   n=456, correlation for B

2. IHC
   poor responder n=6 (samples: 15), good responder n=5 (samples: 7)
   correlation for C