

Supplementary Material: Proteomic Profiling of Plasma-derived Biomarkers in Patients with Bladder Cancer: A Step towards Clinical Translation

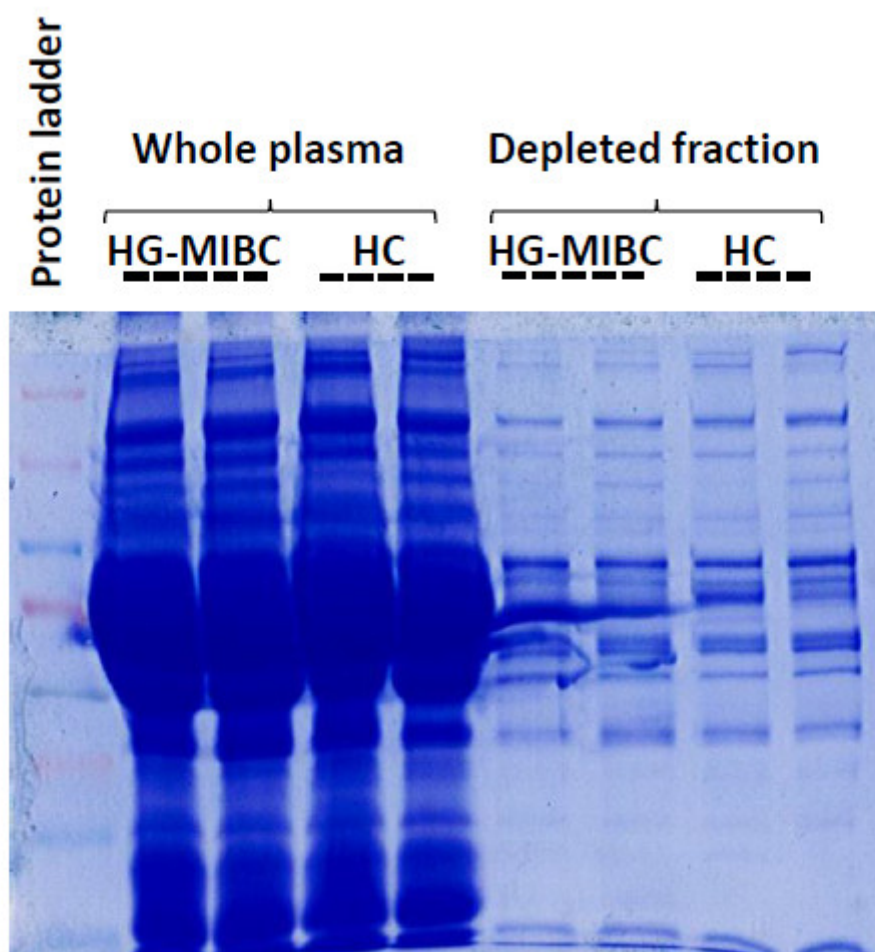


Figure S1. Depletion of plasma samples. 8% Coomassie blue-stained SDS gel showing 6 μ g of whole plasma and depleted fractions from high grade muscle-invasive bladder cancer patients (HG-MIBC) and healthy controls (HC).

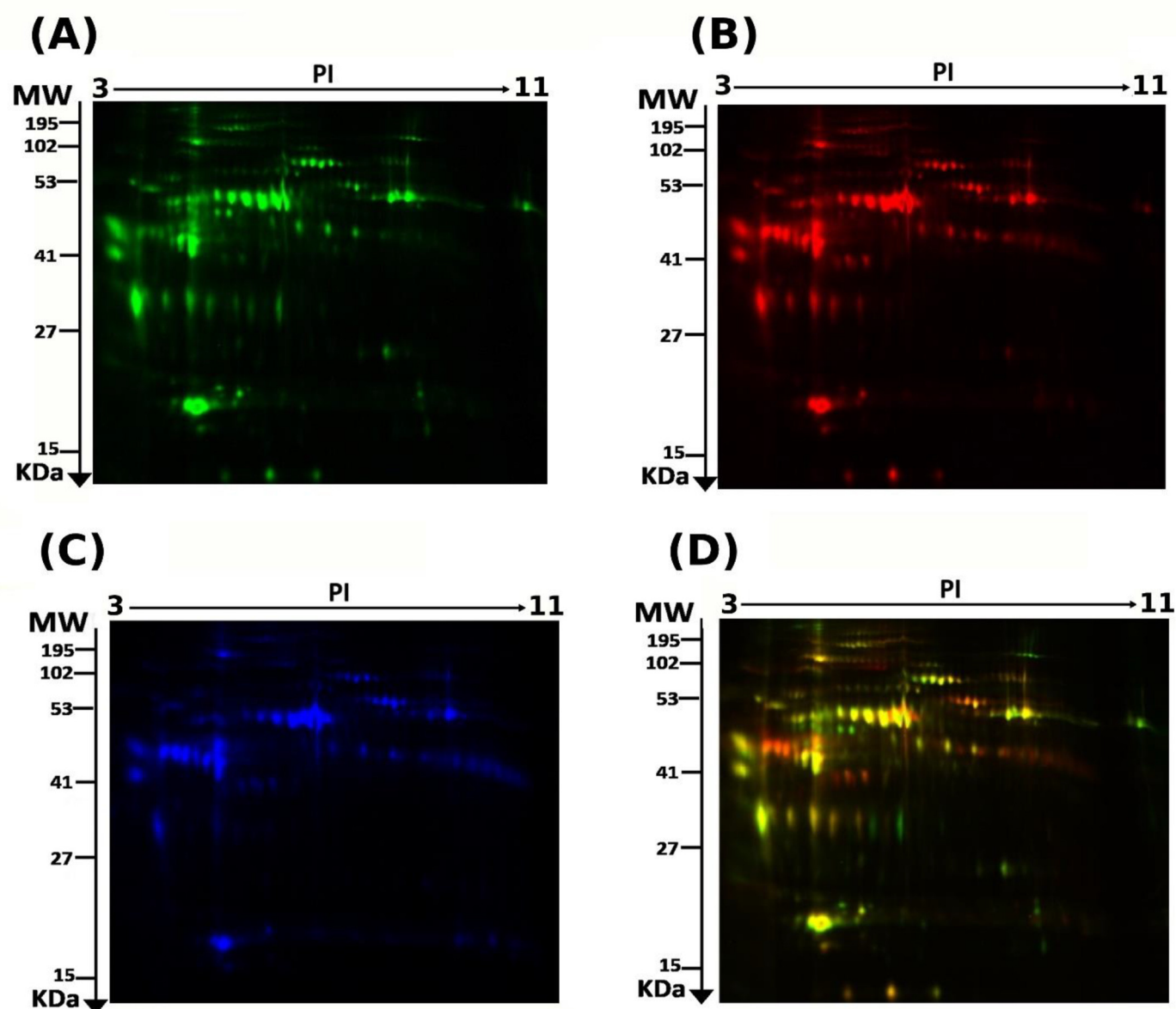


Figure S2. Protein expression profiling by 2D-DIGE: Images (A,B) for high grade tumor and healthy control labeled with Cy3, Cy5 dyes respectively. Pool samples (internal standard) was labelled with Cy2 dye (C). Image (D) is an overlay of 2D-DIGE gels.

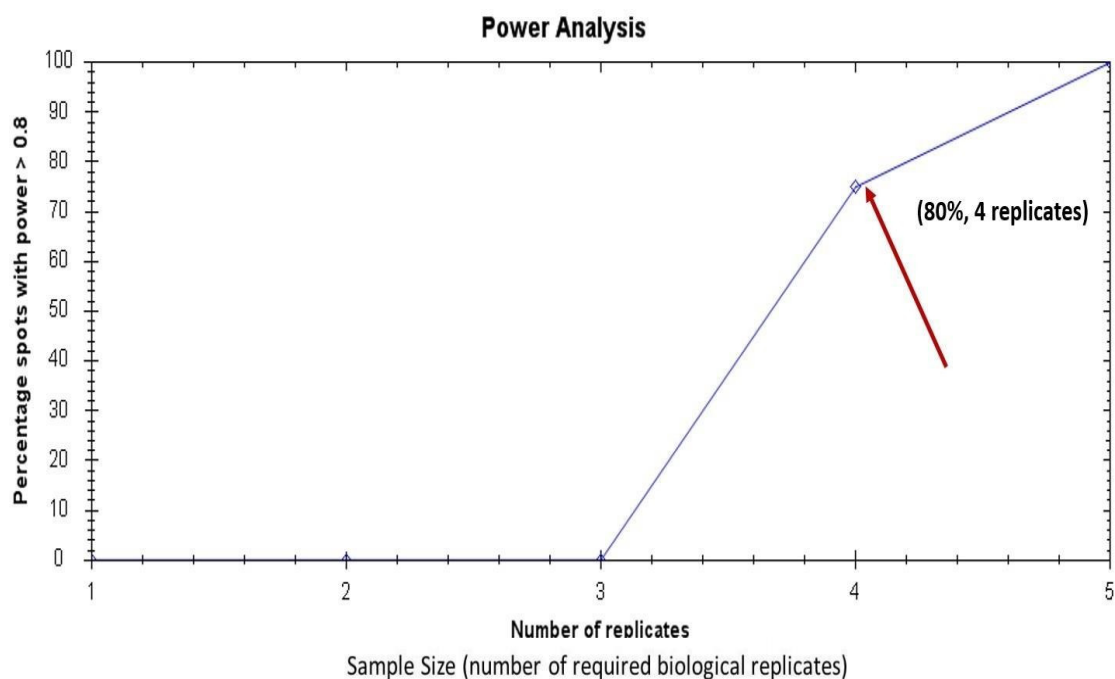


Figure S3. Determining the Sample size number. Pilot study of the power analysis using group of samples (4 replicates). A sample size of 4 was determined as sufficient to give a power of 80% by software Progenesis SameSpots Non Linear dynamics.

Table S1. Experimental design for Cyanine Dye labeling of depleted plasma proteins for DIGE analysis. discovery set, 4 high grade cancer (HG/MIBC) and 4 control samples run on four 2D-PAGE gels, Internal standards were used for normalization and created by pooling equal amount of samples.

Gels	Cyanine Dye (Cy3)	Cyanine Dye (Cy5)	Cyanine Dye (Cy2)
1	HG # 07	Control # 12	Pooled sample (std)
2	Control # 13	HG # 08	Pooled sample (std)
3	HG # 09	Control # 14	Pooled sample (std)
4	Control # 15	HG # 10	Pooled sample (std)