**Supplemental Figure 4:** Emm55 specific peptides responsible for IgM responses pre and posttreatment on individual patients. i: M10101 ii: M10103 iii: M10104 iv: M10105 v: M10106 vi: M10107 vii: M10108 (pre vs post 1<sup>st</sup> injection) viii: M10108 (pre vs post 2<sup>nd</sup> injection) ix: M10108 (pre 2<sup>nd</sup> injection (~4 weeks post 1<sup>st</sup> injection) vs post 2<sup>nd</sup> injection). The axes are log2 transformation of the counts of the peptides [Normalized protein expression (NPX) per vendor]

