

Supplementary Figure Legends

S. Fig. 1. Cultured 5T4-specific CD4⁺ T cells can be cloned from CRC patients (A) and healthy donors (B). Both graphs show IFN- γ / IL-10 production by 5T4-specific clones co-cultured with 5T4 peptide / protein-pulsed irradiated autologous PBMC in various conditions. CD4 against CD8 FACS plots of the clone are shown (gated on live cells).

S. Fig. 2. A comparison of 5T4 responses and age amongst CRC patients. The pre-operative magnitude of IFN- γ responses to each 5T4 epitope (A) or total 5T4 response (B) was assessed alongside age of the corresponding patient at surgery. Significant differences are indicated; * $p < 0.05$.

S. Fig. 3. 5T4 Immunohistochemistry staining of frozen sections. The expression of 5T4 was assessed on placenta (positive control), colorectal tumors, healthy colon and inflamed colonic tissue. Negative isotype controls (mouse IgG1) were performed alongside 5T4 staining on sections from the same samples.

S. Fig. 4. CT scans demonstrating the growth of a single metastatic lung lesion in a patient who did not respond to low-dose cyclophosphamide treatment. Images were taken 2 weeks prior and 2 months post-treatment. Green arrow indicates the location of the lesion.