



Figure S5. Cytotoxicity of RDP215 and 9D-RDP215 on glioblastoma cells U-87mg and healthy cells NHDF. Cell death was determined by PI-uptake (%) in presence of 2 μ M, 5 μ M, 10 μ M and 20 μ M peptide concentration after 8 hours of incubation. With U-87mg, RDP215 already displays high peptide induced cell death up to 80% at 5 μ M. Within the studied concentration range RDP215 exhibits no harm on NHDF cells. 9D-RDP215 shows increased antitumor and non-tumor toxicity, though still with high specificity. E.g., at 5 μ M the D-peptide exhibits about 30-fold higher killing of cancer cells than normal cells. Mean values represent data of at least three independent experiments.