

**Supplementary Table 1. Size measurement and  $\zeta$ -potential analysis of polymer/pJDK and pJDK-apoptin polyplexes**

Complexes	Mean size (Cumulants, nm)	Zeta potential (mV)
PAMAMG3/pJDK	219.8	45.1 $\pm$ 6
PAMAMG3-KRRR/pJDK	195.8	23.0 $\pm$ 5
PAMAMG3-HKRRR/pJDK	173.6	23.5 $\pm$ 5
PAMAMG3/pJDK-apoptin	221.2	41.5 $\pm$ 5
PAMAMG3-KRRR/pJDK-apoptin	179.4	22.2 $\pm$ 5
PAMAMG3-HKRRR/pJDK-apoptin	204.6	23.9 $\pm$ 5

Values are presented as mean  $\pm$  SD.