

Appendix A

Plasmid maps

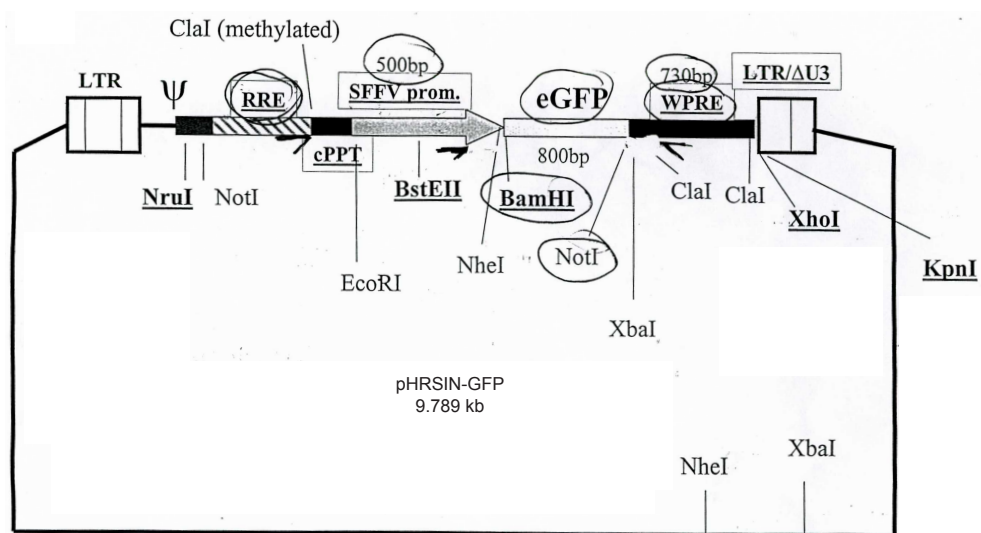


Fig. A.1 *pHRSIN-GFP* plasmid used for lentivirus production.

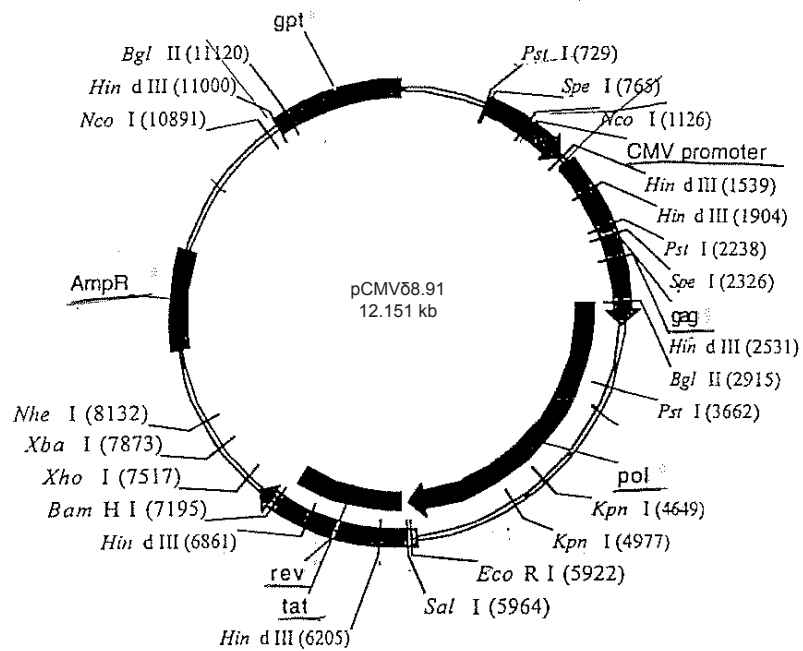


Fig. A.2 *pCMVδ8.91* packaging plasmid used for lentivirus production.

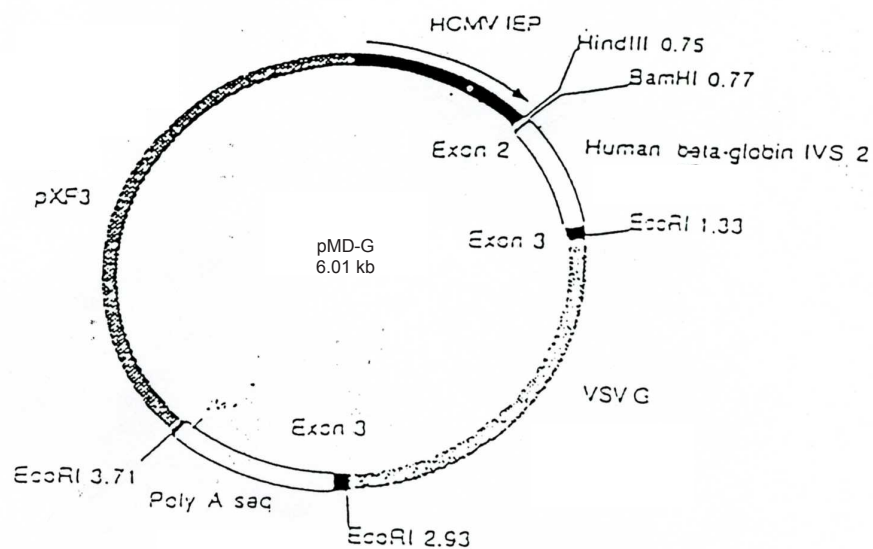


Fig. A.3 *pMD-G VSV-G* envelope plasmid used for lentivirus production.

Appendix B

Differentially expressed genes in effector and naive CD8 T cells

As outlined in chapter 4, 1803 significantly activated differentially expressed genes with $p_{adj} < 0.01$ and $\log_2(\text{fold change}) > 2$ were identified when comparing the transcriptome of effector (day 7 post activation) and naive (day 0) CD8 T cells. The full list of all 1803 genes is included digitally on a CD.

Appendix C

NF- κ B signalling compound library toxicity test

Table C.1 *NF- κ B signalling compound library toxicity test.* The NF- κ B signalling compound library was acquired from MedChem express. Drugs were labelled according to their position in the rack (position 1 - 64). The information given in this table was obtained from Medchem express, except for the highest non-toxic concentrations (HNTC), which were determined using the Celltitre96 AQueous One Solution Cell Proliferation Assay (Promega) as described in chapter 5.

Drug #	Official name	Molecular target	HNTC
1	Sodium Salicylate	Autophagy, NF- κ B	25 μ M
2	LY2409881	IKK	25 μ M
3	Dimethyl fumarate	Keap1-Nrf2	25 μ M
4	Bardoxolone	Keap1-Nrf2	0.9 μ M
5	IKK 16	IKK	0.9 μ M
6	Pyrrolidinedithiocarbamate (ammonium)	NF- κ B	8.3 μ M
7	BMS-345541 (free base)	IKK	0.9 μ M
8	MRT67307	Autophagy, IKK	0.9 μ M
9	Wy-14643	PPAR	25 μ M
10	Didox	NF- κ B	25 μ M
11	Cyclo(his-pro)	NF- κ B	25 μ M
12	Pioglitazone (hydrochloride)	PPAR	25 μ M
13	MLN120B	IKK	8.3 μ M
14	MI 2 (MALT1 inhibitor)	MALT1	0.9 μ M

Table C.1 continued from previous page

Drug	Official name	Target	HNTC
15	GW1929	PPAR	8.3 μ M
16	T0070907	PPAR, RAD51	8.3 μ M
17	Adjudin	NF- κ B	25 μ M
18	L-165041	PPAR	25 μ M
19	Parthenolide	Autophagy, DNA Methyltransferase HDAC, NF- κ B	8.3 μ M
20	Andrographolide	NF- κ B	8.3 μ M
21	Stachydrine	NF- κ B	25 μ M
22	Tomatidine	Akt, ERK, NF- κ B	25 μ M
23	PS-1145	IKK	0.1 μ M
24	BMS-345541	IKK	0.9 μ M
25	Fenofibrate	Autophagy, PPAR Cytochrome P450	2.8 μ M
26	TPCA-1	IKK	0.1 μ M
27	Benzafibrate	PPAR	8.3 μ M
28	ACHP (Hydrochloride)	IKK	8.3 μ M
29	BAY 11-7082	Autophagy, Deubiquitinase, NF- κ B	8.3 μ M
30	Bardoxolone (methyl)	Autophagy, Keap1-Nrf2	0.9 μ M
31	IMD-0354	IKK	0.3 μ M
32	SC-514	IKK	0.9 μ M
33	Retinoic acid	PPAR, RAR/RXR	0.9 μ M
34	BAY 11-7085	NF- κ B	0.3 μ M
35	GSK0660	PPAR	8.3 μ M
36	GW 501516	Autophagy, PPAR	8.3 μ M
37	QNZ	NF- κ B	8.3 μ M
38	BMS-687453	PPAR	8.3 μ M
39	RTA-408	Keap1-Nrf2, NF- κ B	0.1 μ M
40	GSK583	RIP kinase	0.1 μ M
41	Ezetimibe	Autophagy, Keap1-Nrf2	8.3 μ M
42	GSK3787	PPAR	8.3 μ M
43	DG172 (dihydrochloride)	PPAR	0.9 μ M

Table C.1 continued from previous page

Drug	Official name	Target	HNTC
44	Amlexanox	IKK	8.3 μ M
45	JSH-23	NF- κ B	2.8 μ M
46	Resveratrol	Autophagy, IKK	2.8 μ M
47	Rosiglitazone	Autophagy, PPAR, TRP Channel	8.3 μ M
48	Balaglitazone	PPAR	0.9 μ M
49	Clofibrate	PPAR	8.3 μ M
50	Daidzein	PPAR	8.3 μ M
51	GW0742	PPAR	8.3 μ M
52	FH535	PPAR, Wnt, β -catenin	0.9 μ M
53	Ciprofibrate	PPAR	8.3 μ M
54	Gemfibrozil	PPAR	8.3 μ M
55	Curcumin	Autophagy, Keap1-Nrf2	2.8 μ M
56	Polydatin	Autophagy, NF- κ B	0.3 μ M
57	GW9662	PPAR	0.3 μ M
58	Elafibranor	PPAR	0.9 μ M
59	Necrostatin-1	Autophagy, RIP kinase	0.3 μ M
60	Rosiglitazone (maleate)	Autophagy, PPAR	8.3 μ M
61	NK-252	Keap1-Nrf2	0.9 μ M
62	Lipoic acid	NF- κ B	8.3 μ M
63	JW74	PPAR, Wnt	2.8 μ M
64	Troglitazone	Autophagy, PPAR	8.3 μ M

