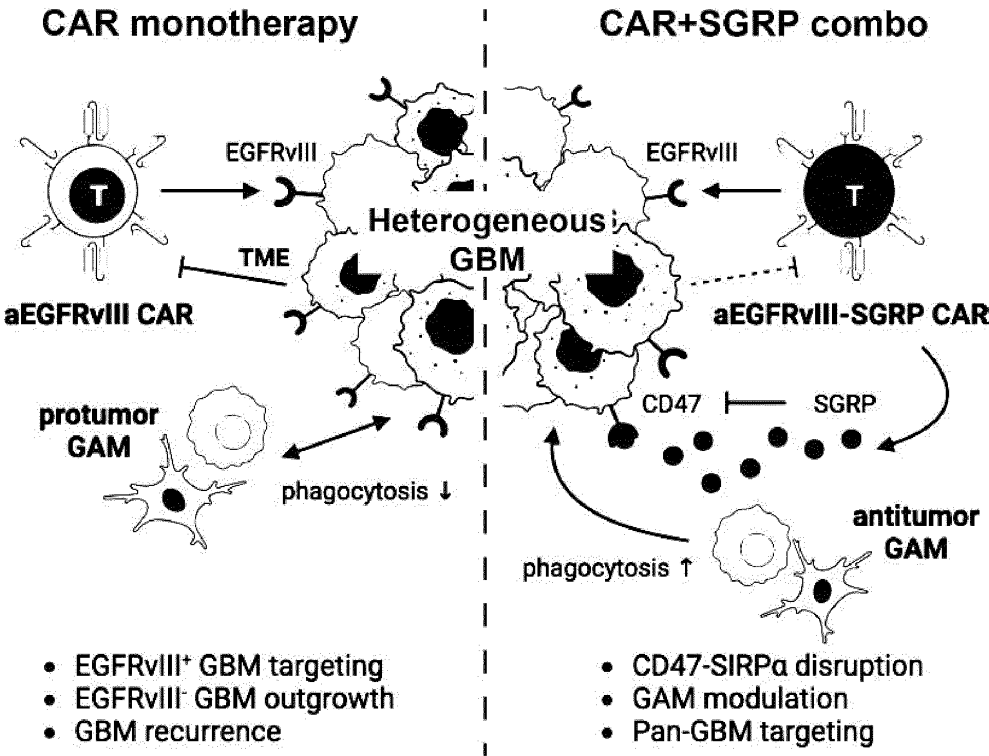
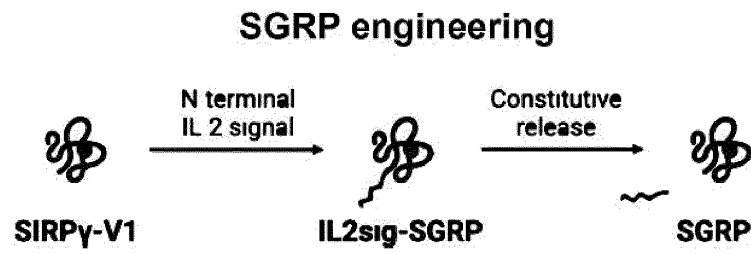


Figure 1



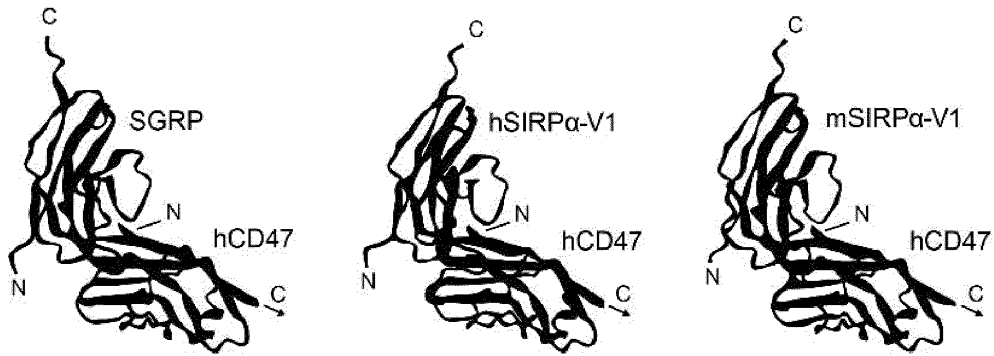
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Figure 2

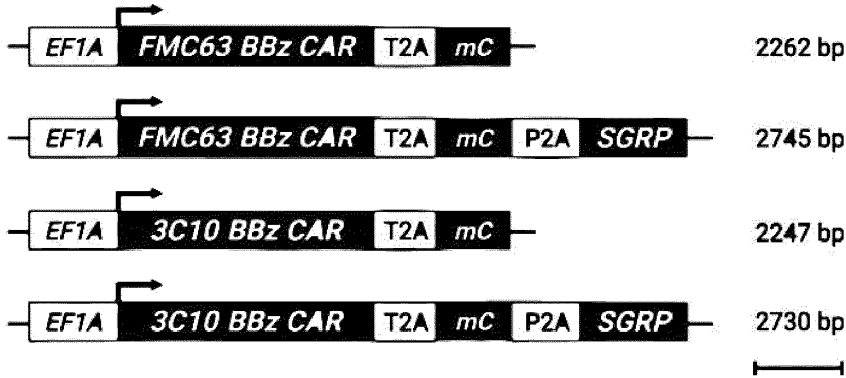


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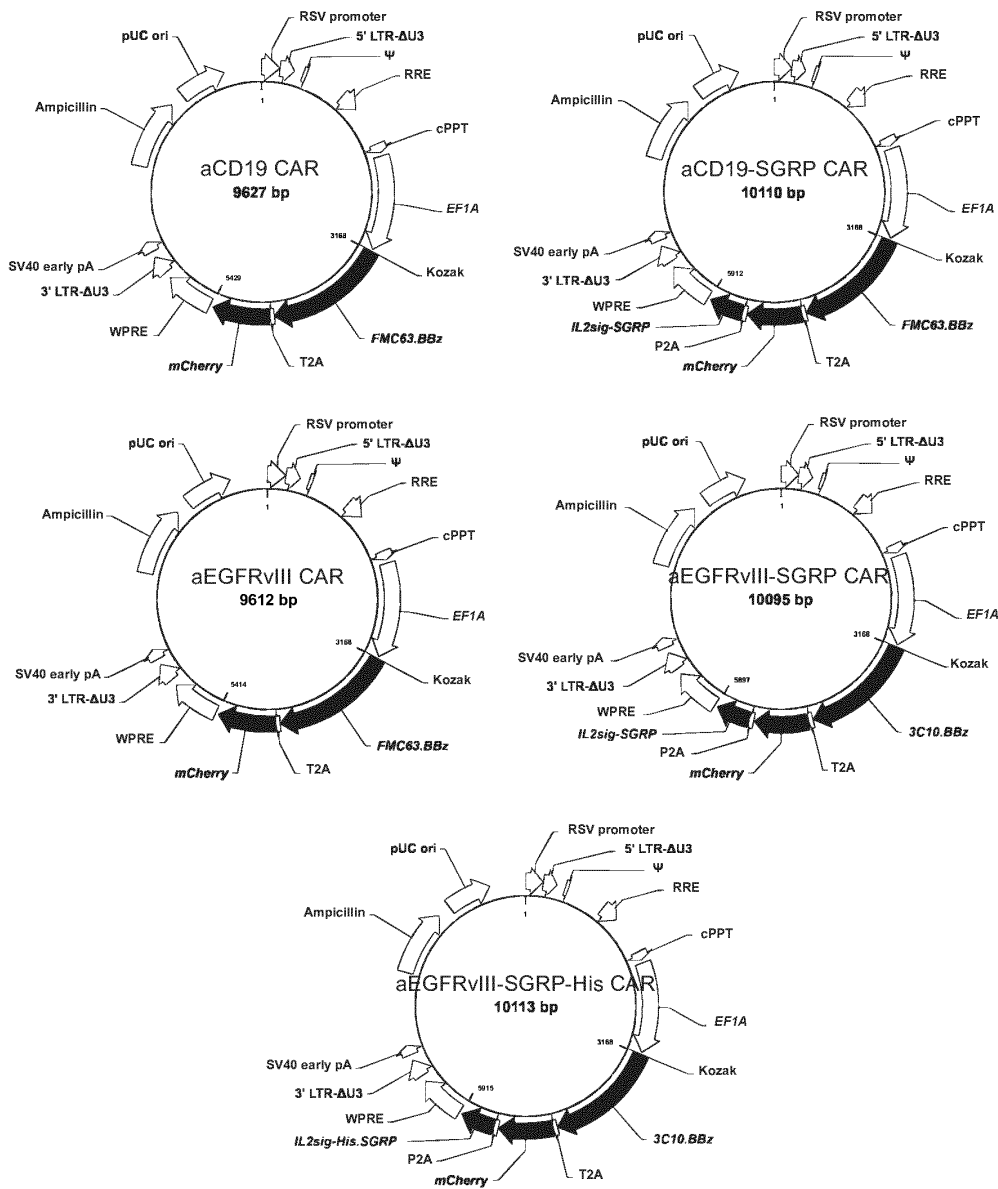
Figure 3



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Figure 4

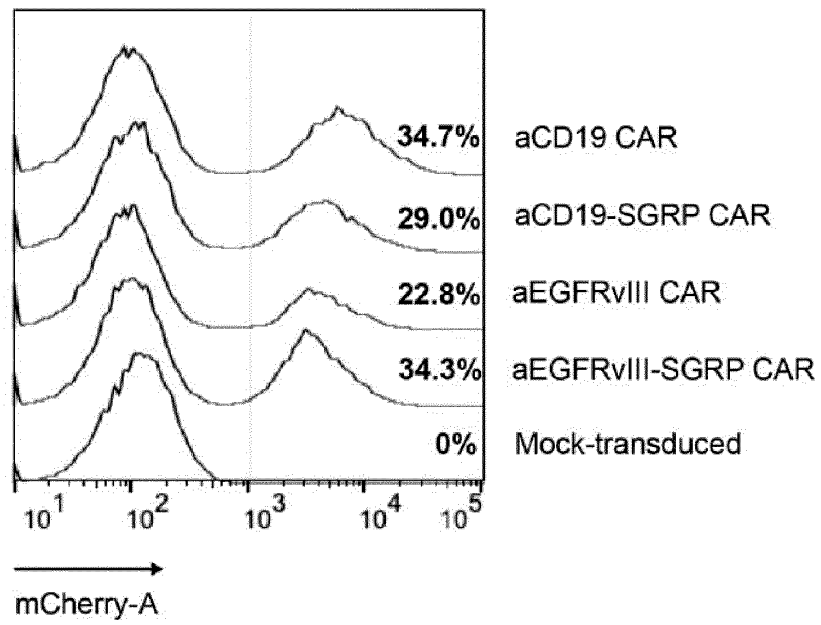


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Figure 5



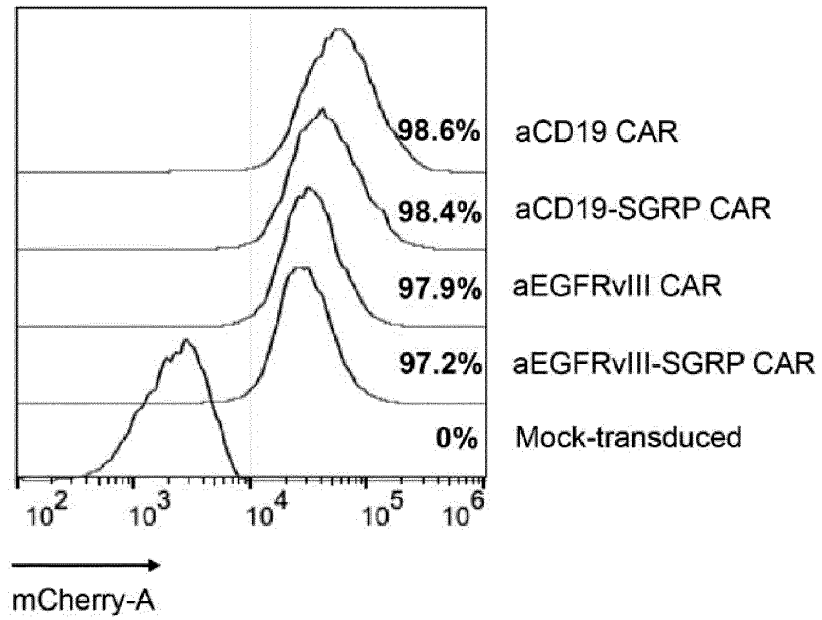
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Figure 6



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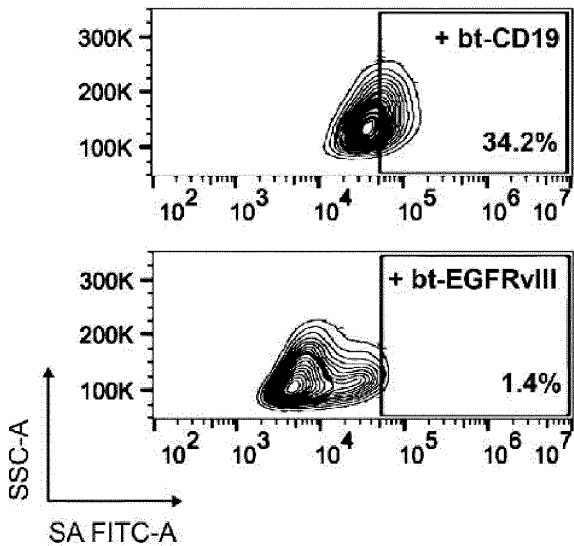
Figure 7



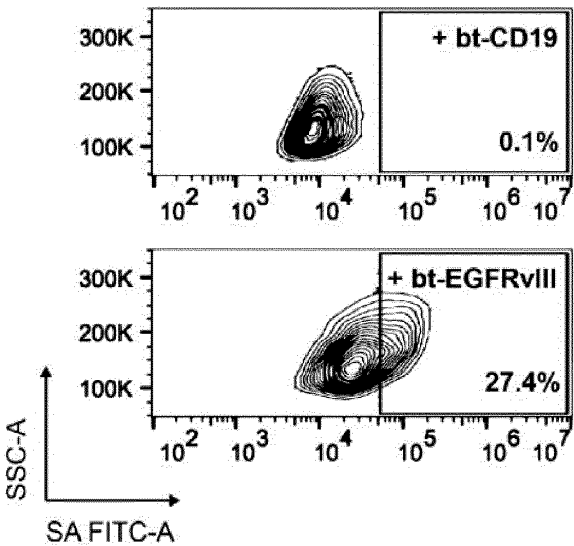
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Figure 8

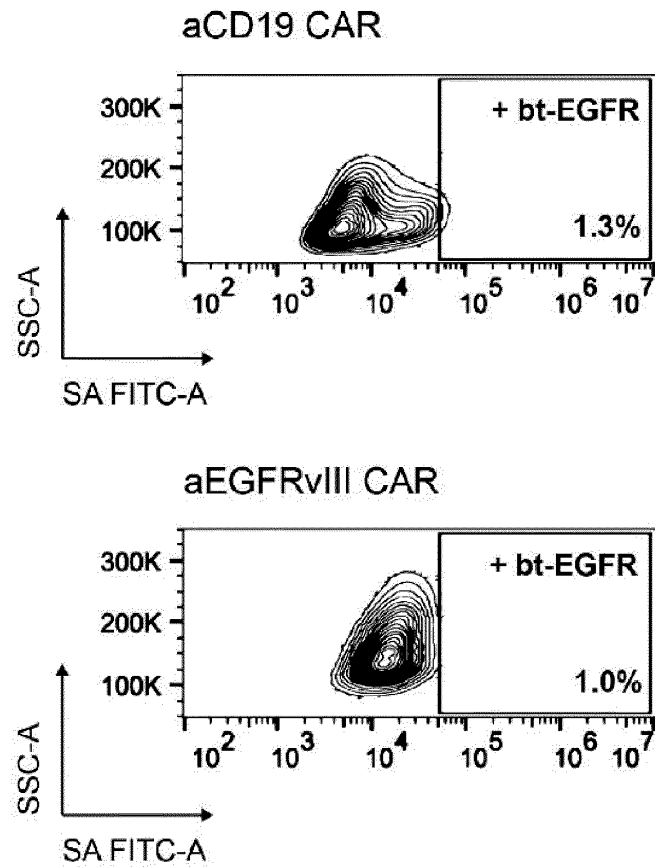
aCD19 CAR:target binding



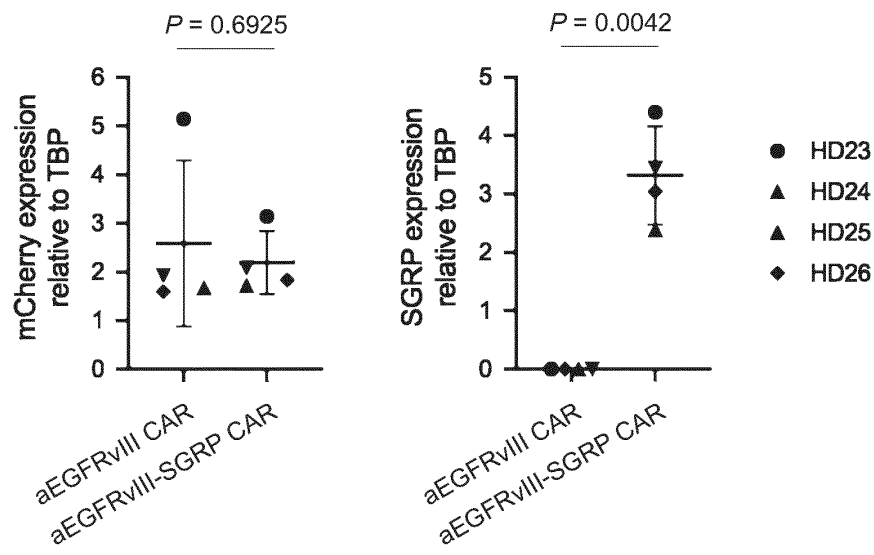
aEGFRvIII CAR:target binding



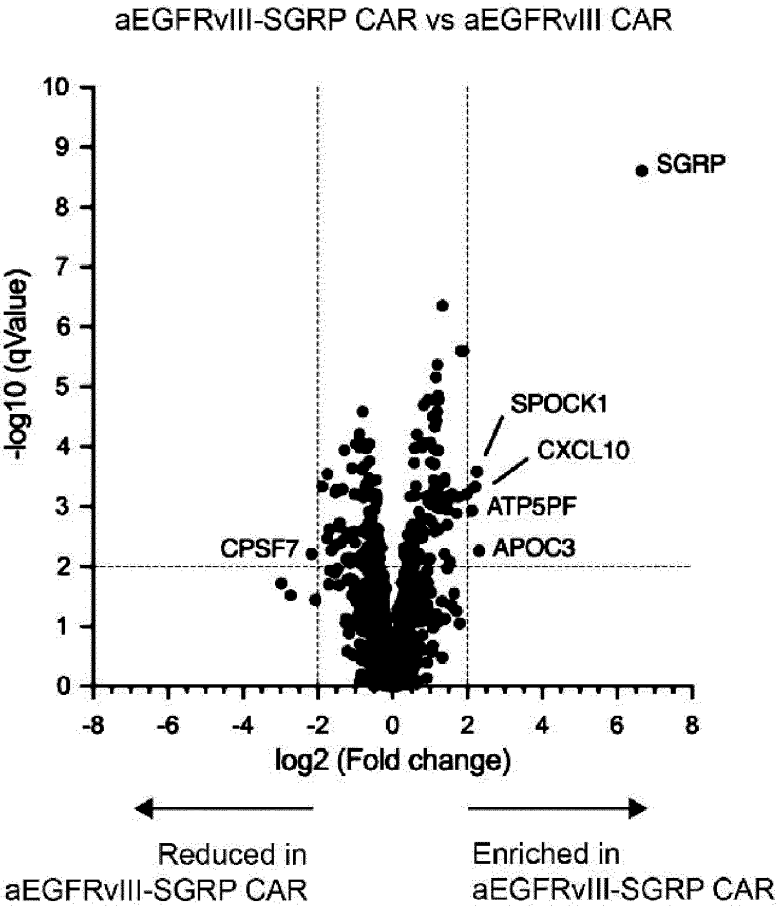
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Figure 9



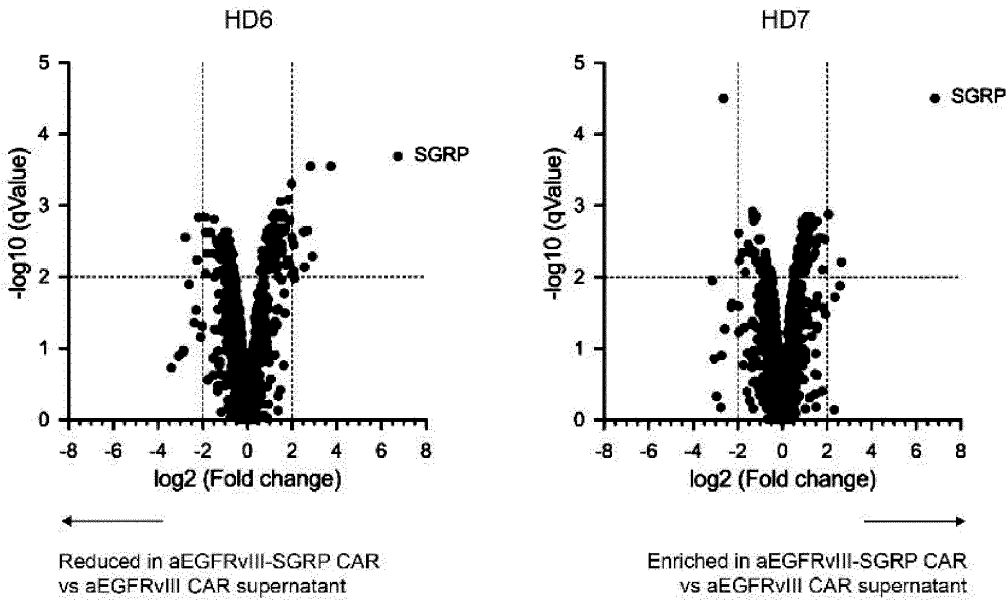
10/102
Figure 10



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Figure 11



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Figure 12



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Figure 13

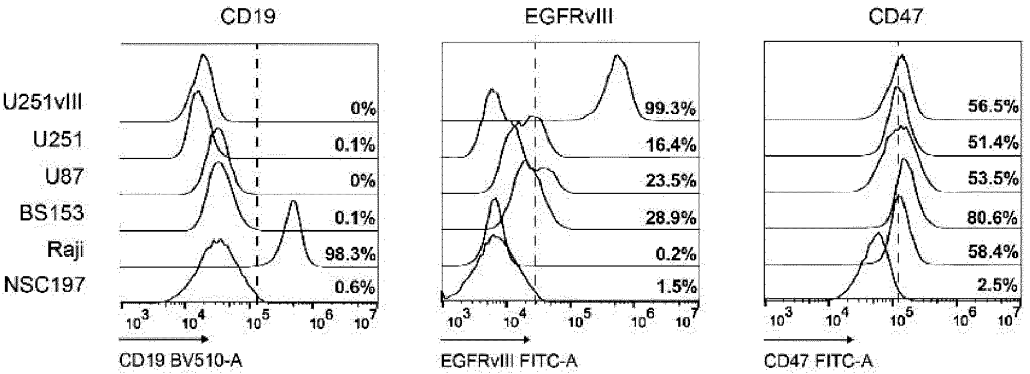
7 exclusive unique peptides
8 exclusive unique spectra
11 total spectra
56/119 amino acids (47% coverage)

EEELQIIQPE	<u>KLLLVTVGKT</u>	ATLHCTITSL	FPVGPIQWFR
GVGPGR <u>VLIY</u>	<u>NQKDGHFPRV</u>	<u>TTVSDGTKRN</u>	<u>NMDFSIRISS</u>
ITPADVGTTY	CVKFRK <u>GSPE</u>	<u>DVEFKSGPGT</u>	<u>EMALGAKPS</u>

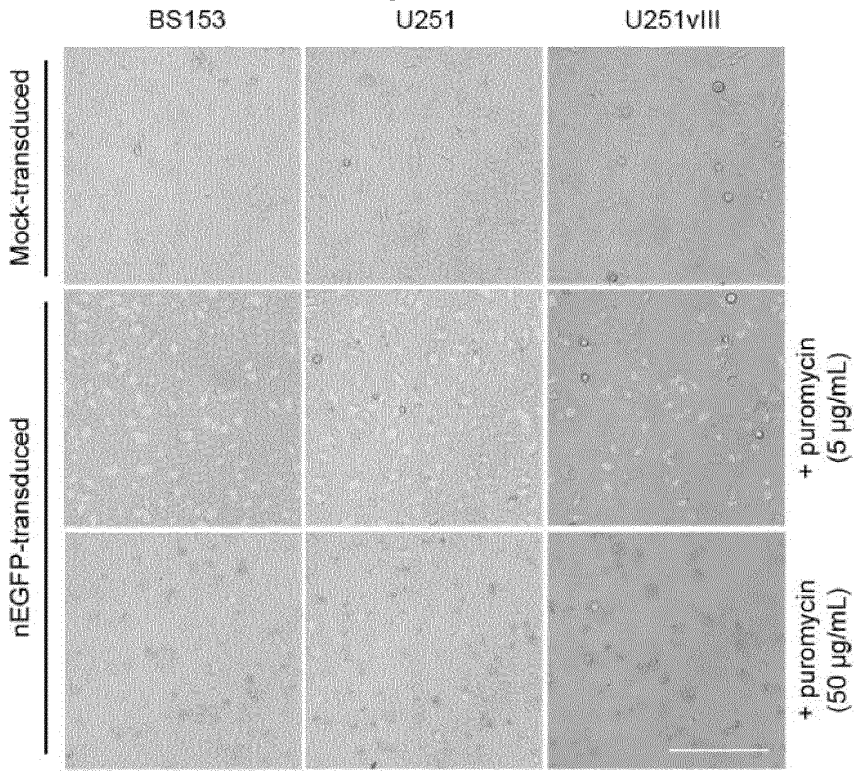
Peptide sequences identified

SGRP-specific amino acids

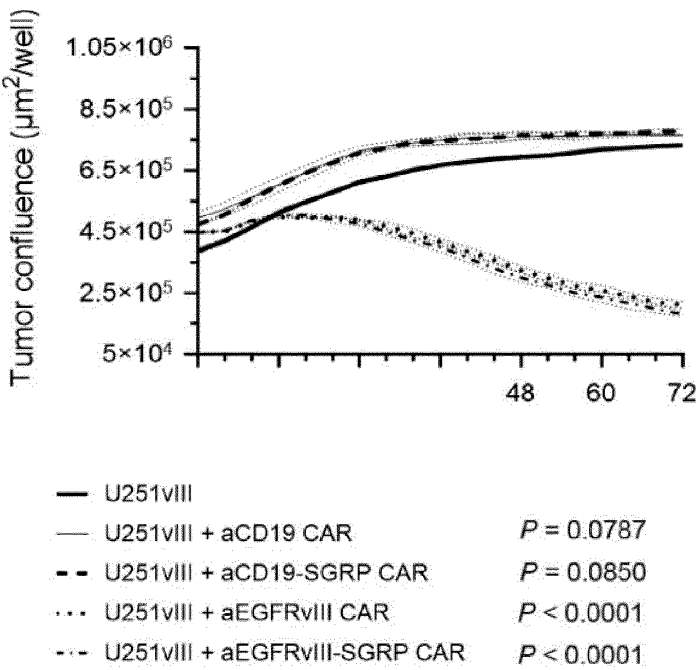
14/102
Figure 14



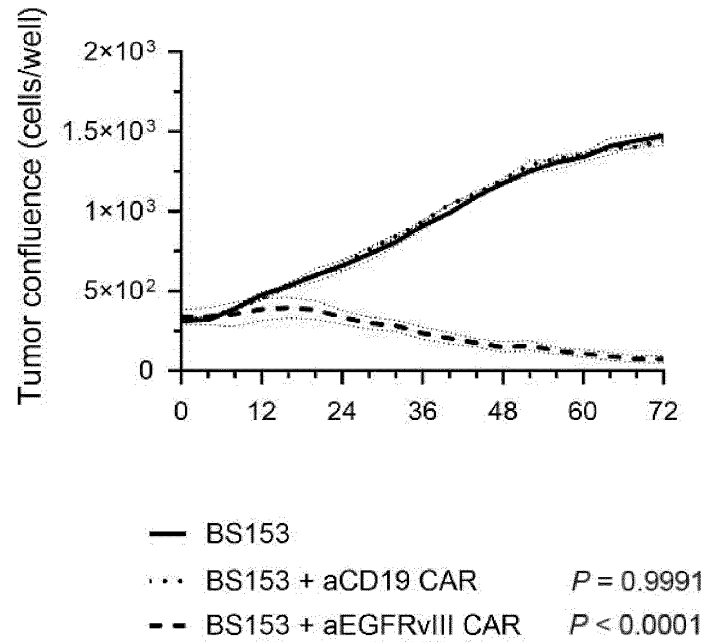
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Figure 15



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Figure 16

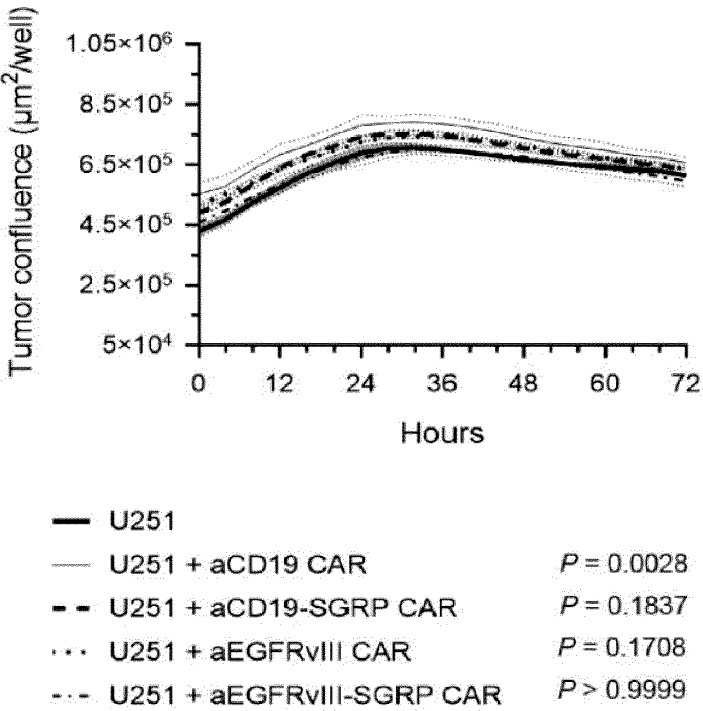


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Figure 17

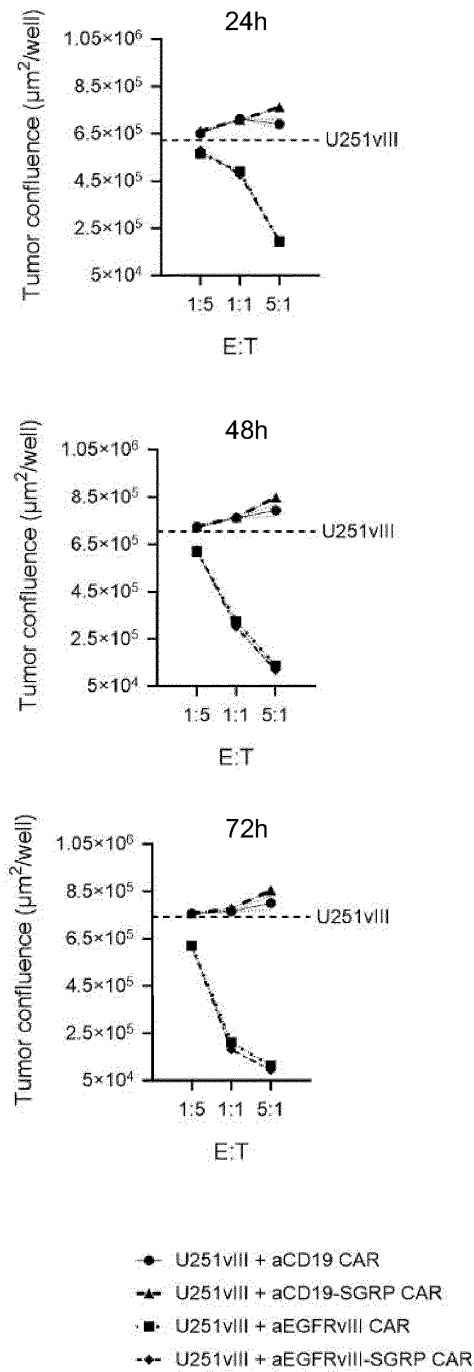


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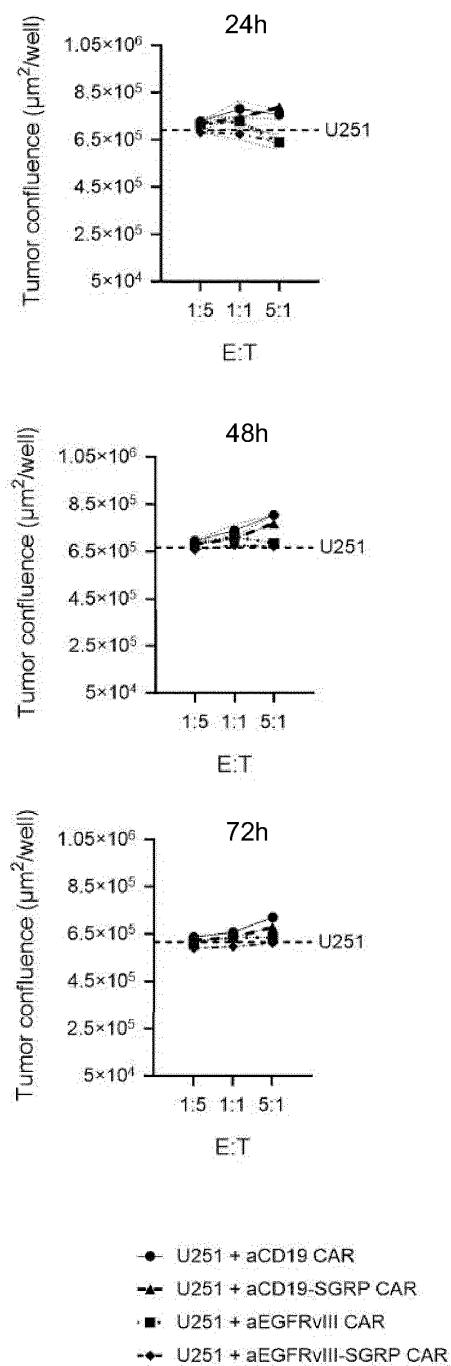
Figure 18



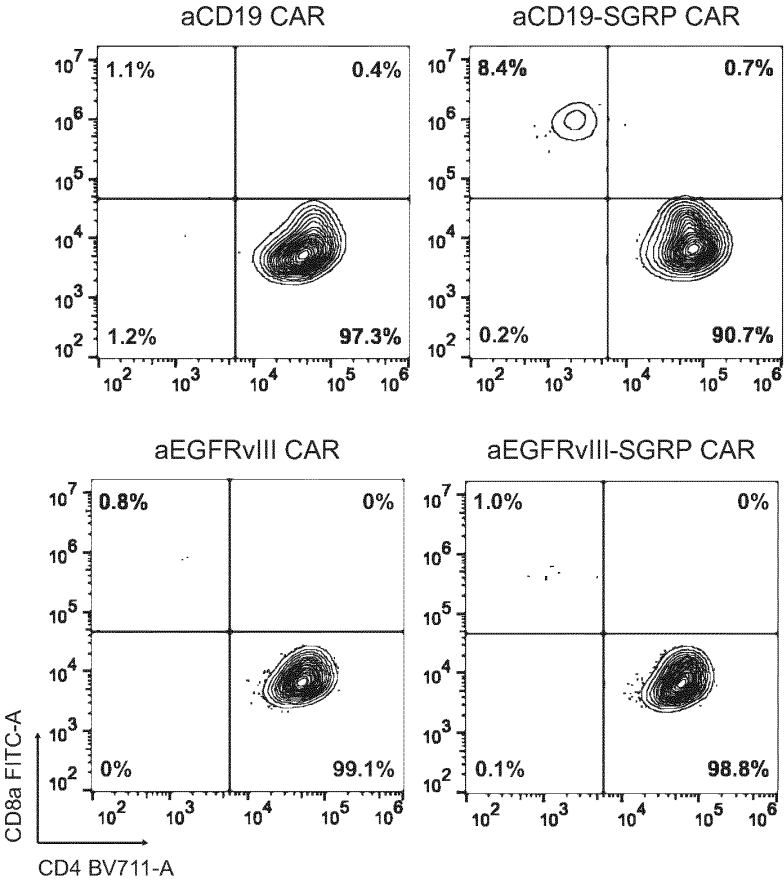
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Figure 19



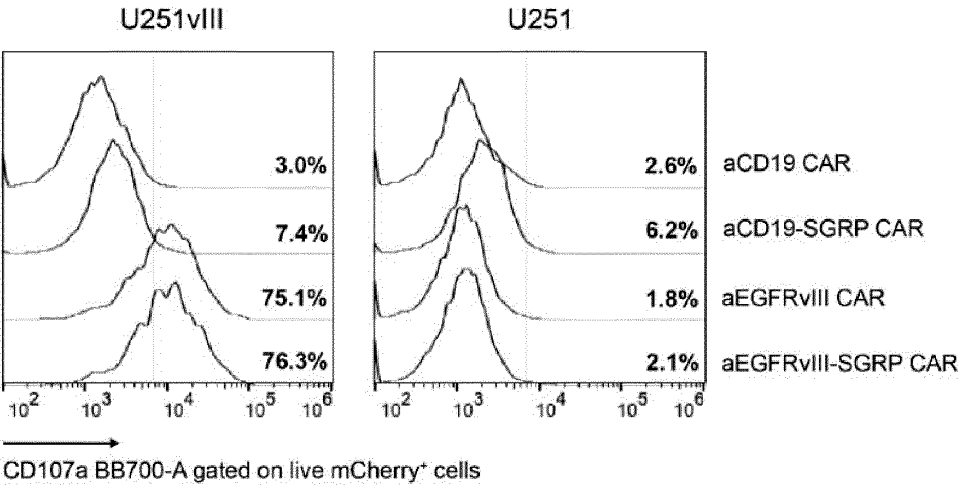
20/102
Figure 20



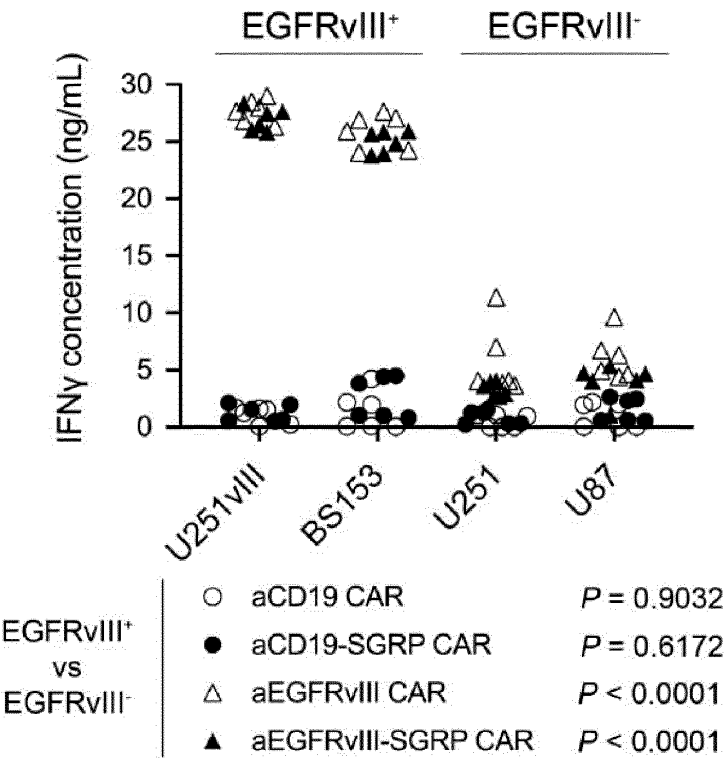
21/102
Figure 21



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Figure 22

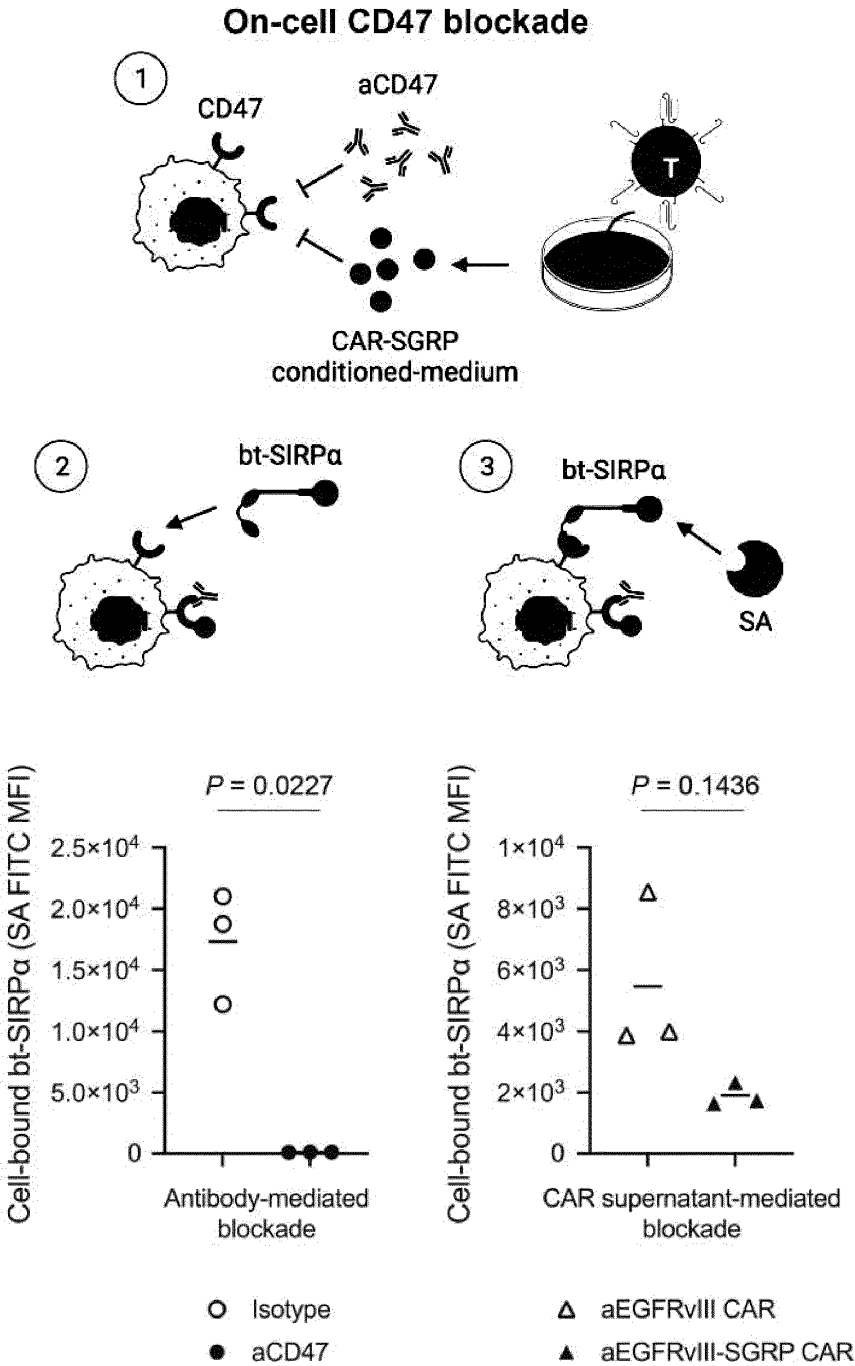


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Figure 23

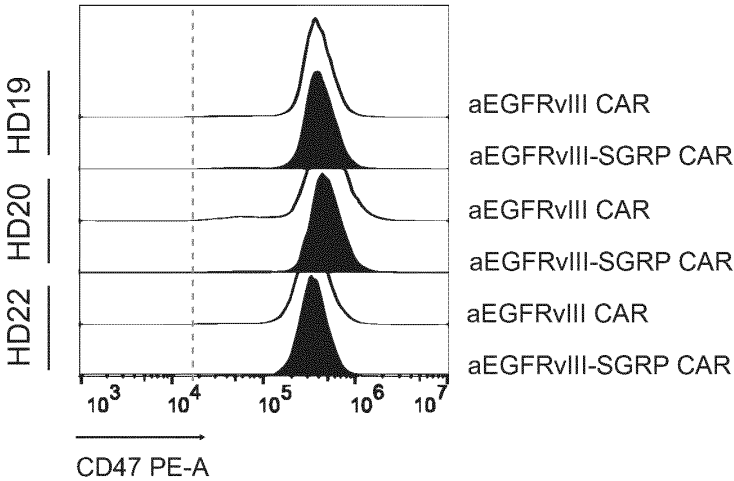


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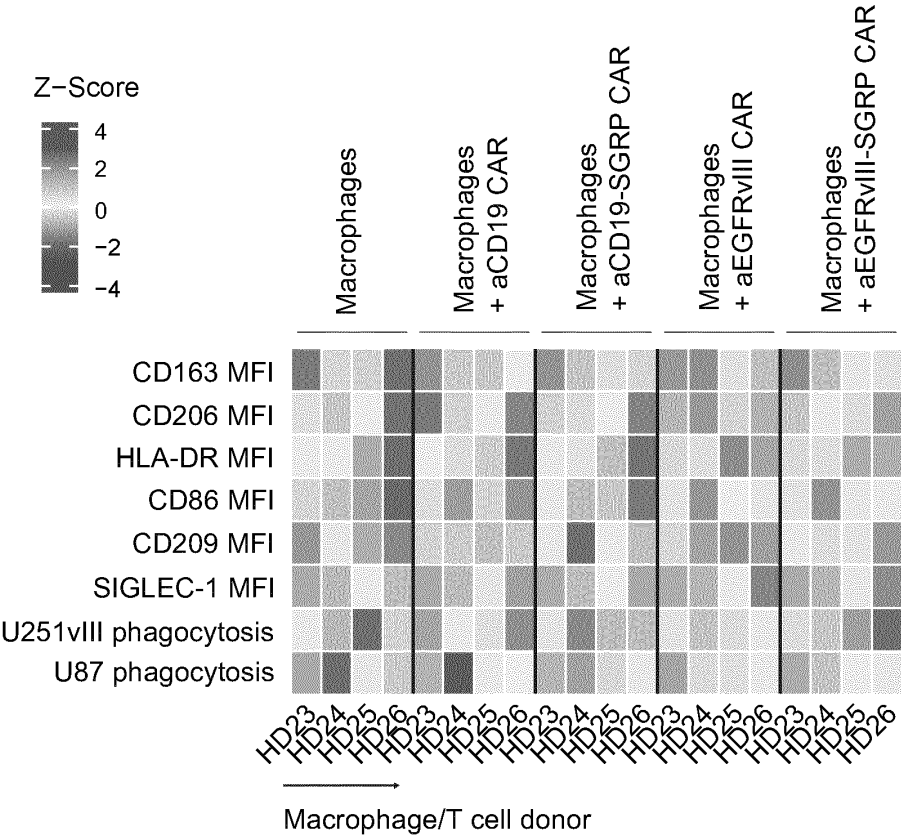
Figure 24



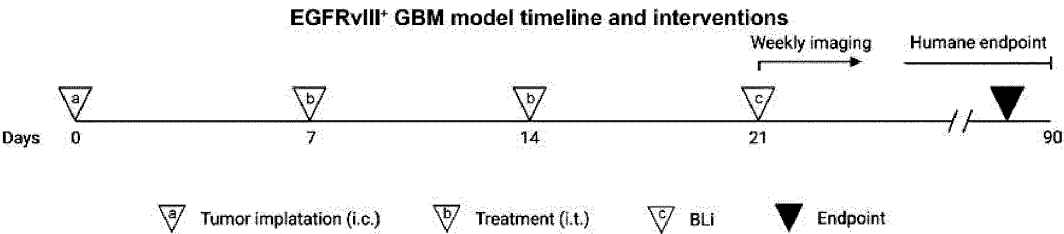
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Figure 25



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Figure 26

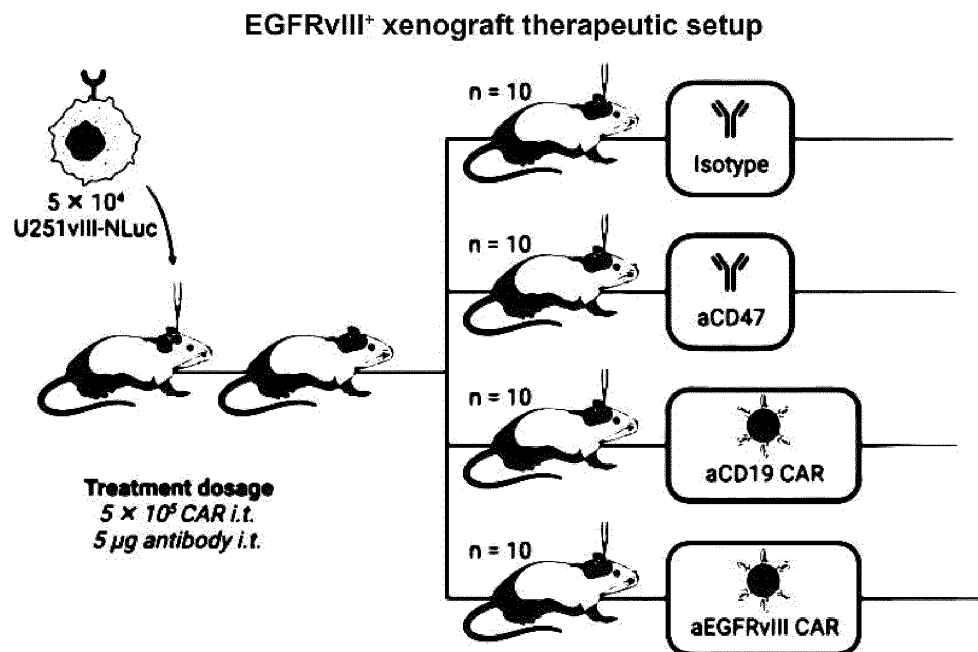


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Figure 27

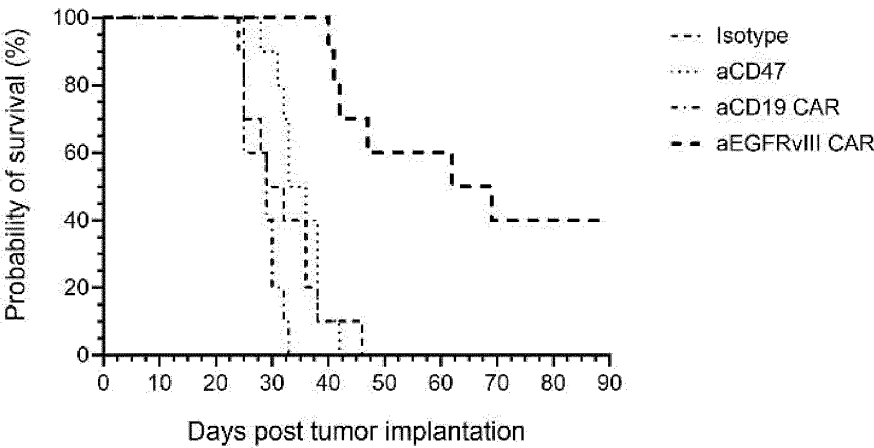


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Figure 28

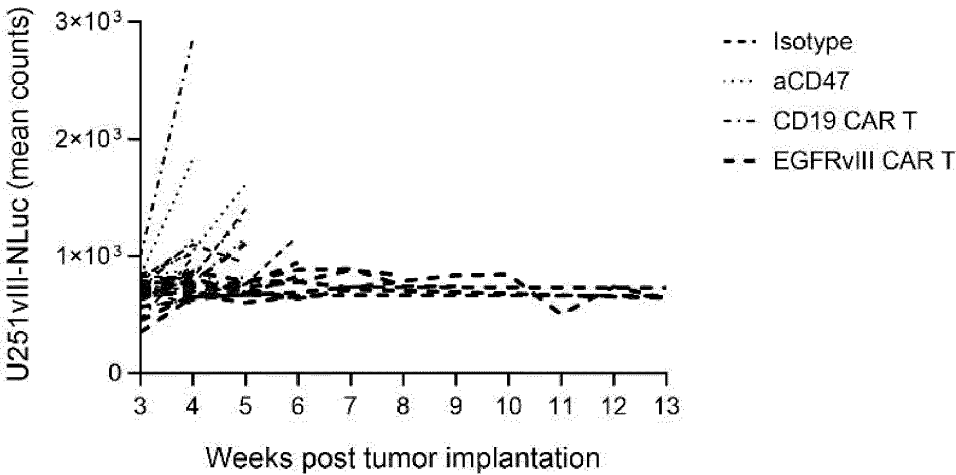


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Figure 29

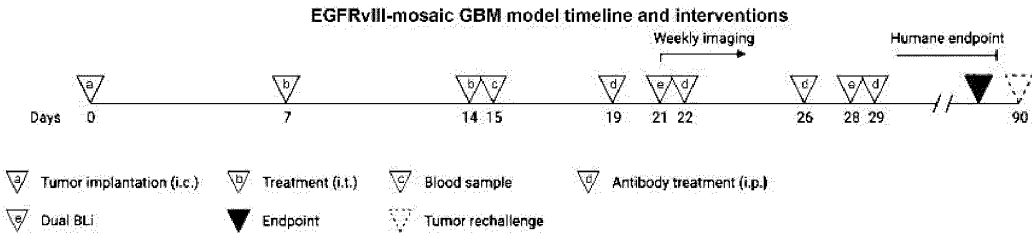


$P < 0.0001$ aEGFRvIII CAR vs aCD19 CAR
 $P = 0.4685$ aCD47 vs Isotype

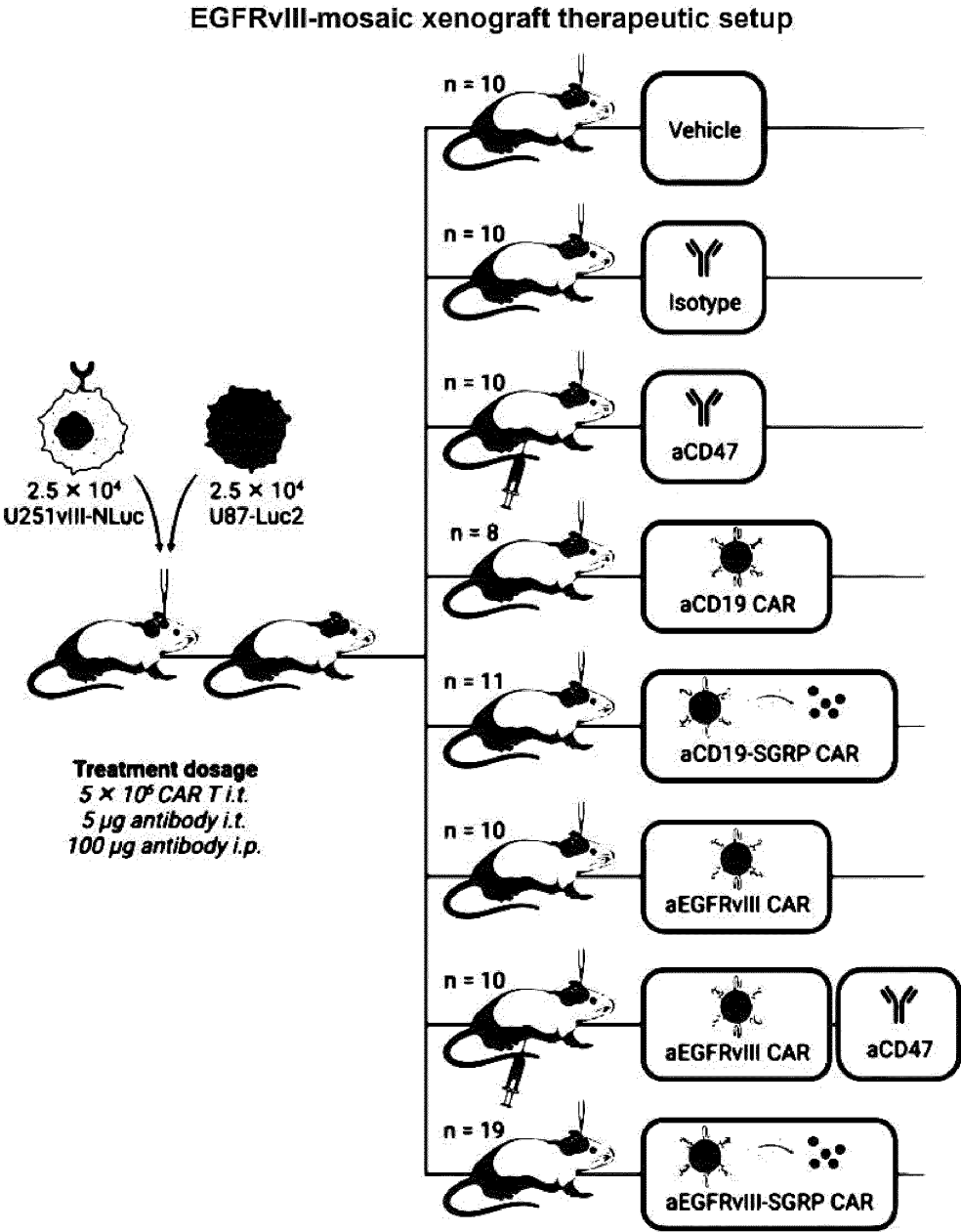
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Figure 30



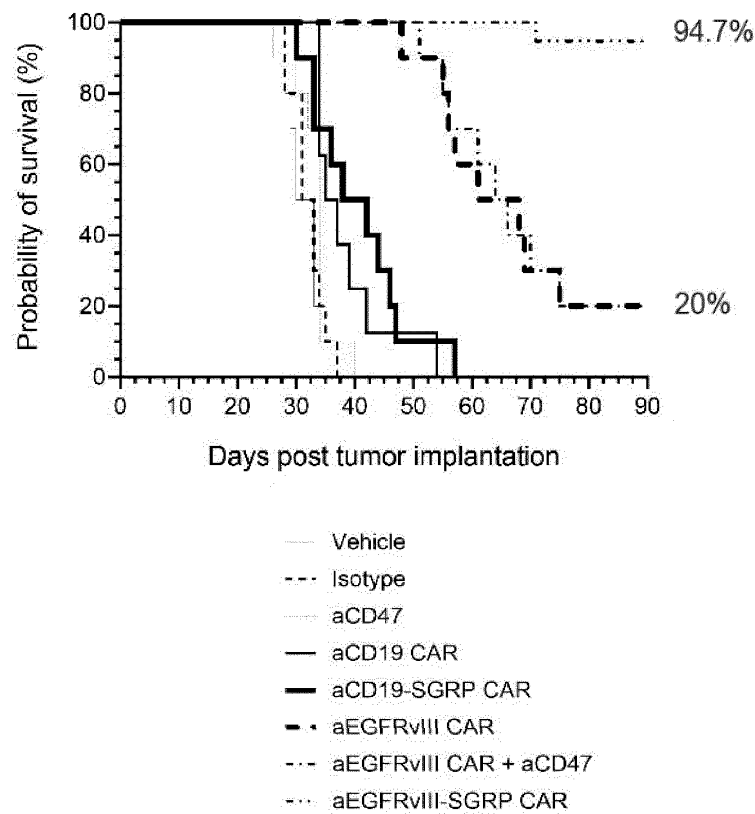
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Figure 31



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Figure 32

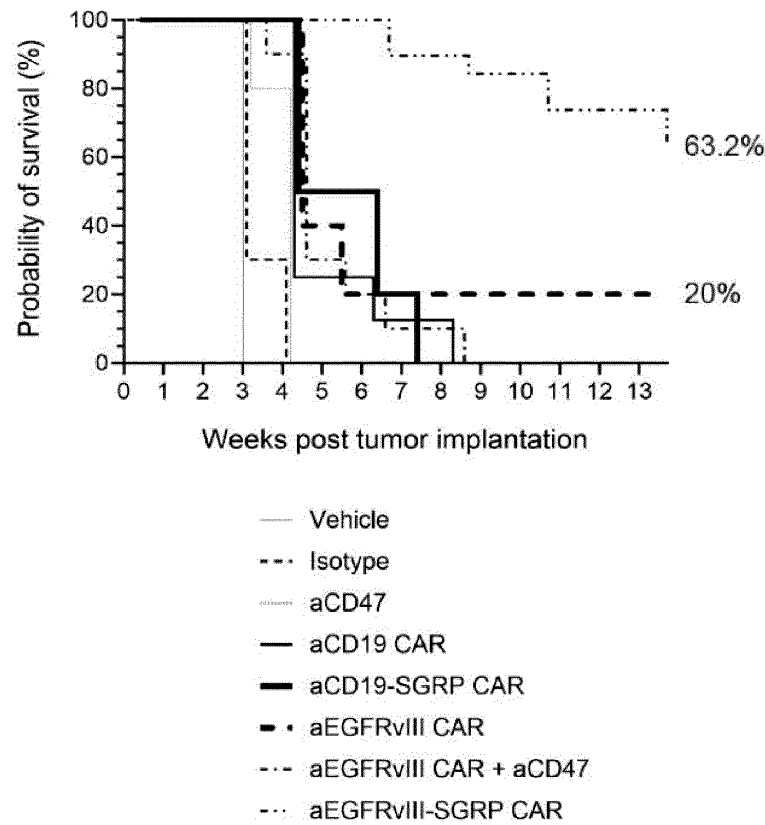


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Figure 33



$P < 0.0001$ aEGFRvIII-SGRP CAR vs aEGFRvIII CAR + aCD47
 $P < 0.0001$ aEGFRvIII-SGRP CAR vs aEGFRvIII CAR
 $P = 0.9326$ aEGFRvIII CAR + aCD47 vs aEGFRvIII CAR
 $P < 0.0001$ aEGFRvIII CAR + aCD47 vs aCD47
 $P = 0.5079$ aCD19-SGRP CAR vs aCD19 CAR

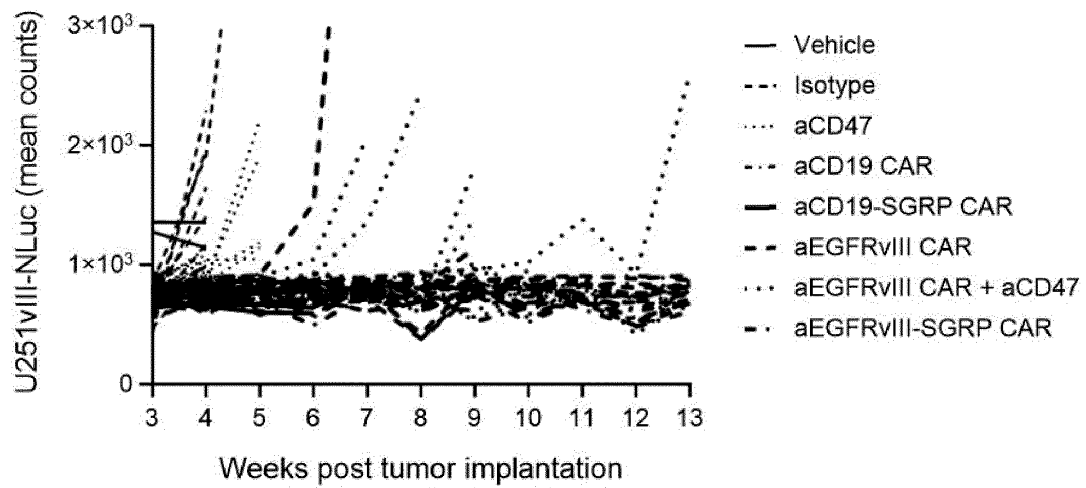
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Figure 34



$P < 0.0001$ aEGFRvIII-SGRP CAR vs aEGFRvIII CAR + aCD47
 $P = 0.0007$ aEGFRvIII-SGRP CAR vs aEGFRvIII CAR
 $P = 0.2709$ aEGFRvIII CAR + aCD47 vs aEGFRvIII CAR
 $P = 0.0968$ aEGFRvIII CAR + aCD47 vs aCD47
 $P = 0.8196$ aCD19-SGRP CAR vs aCD19 CAR

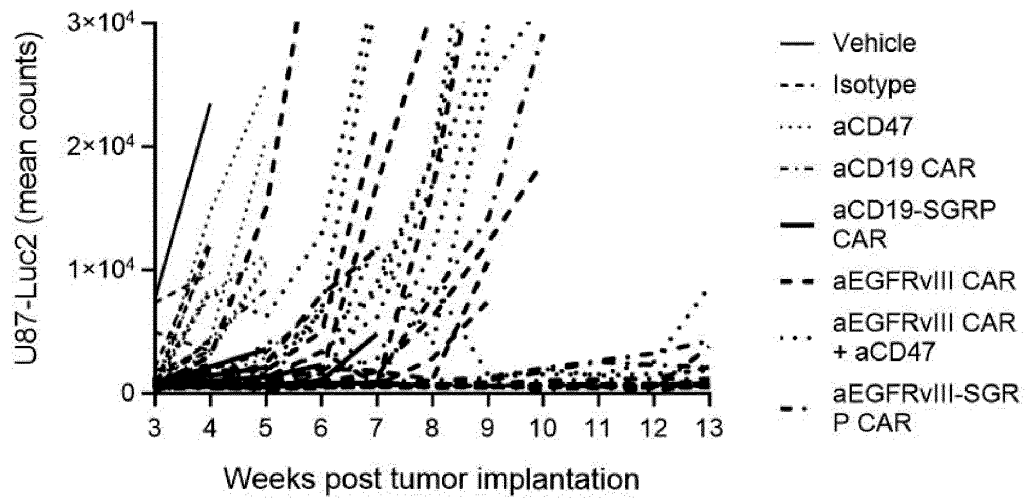
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Figure 35



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Figure 36



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Figure 37

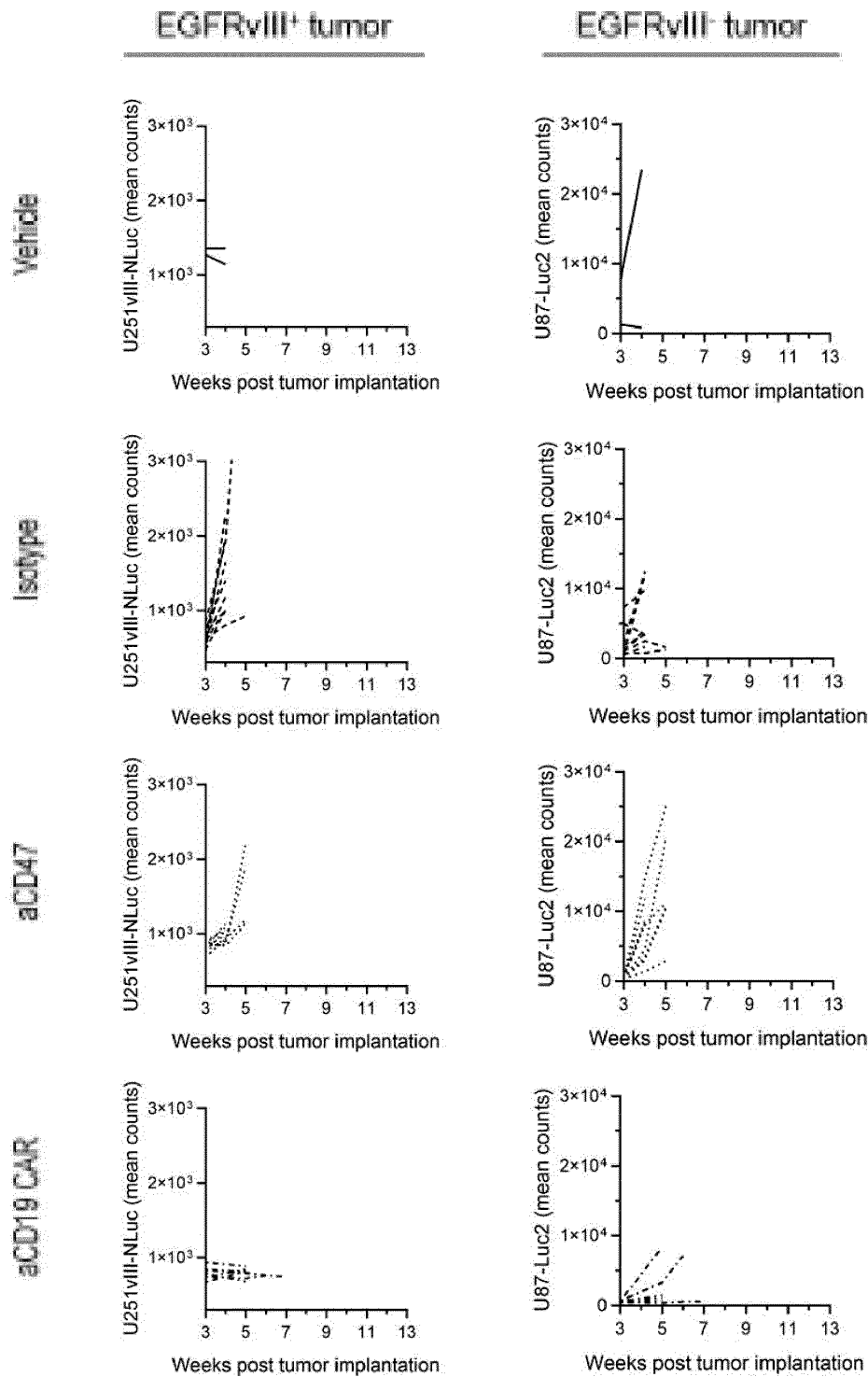
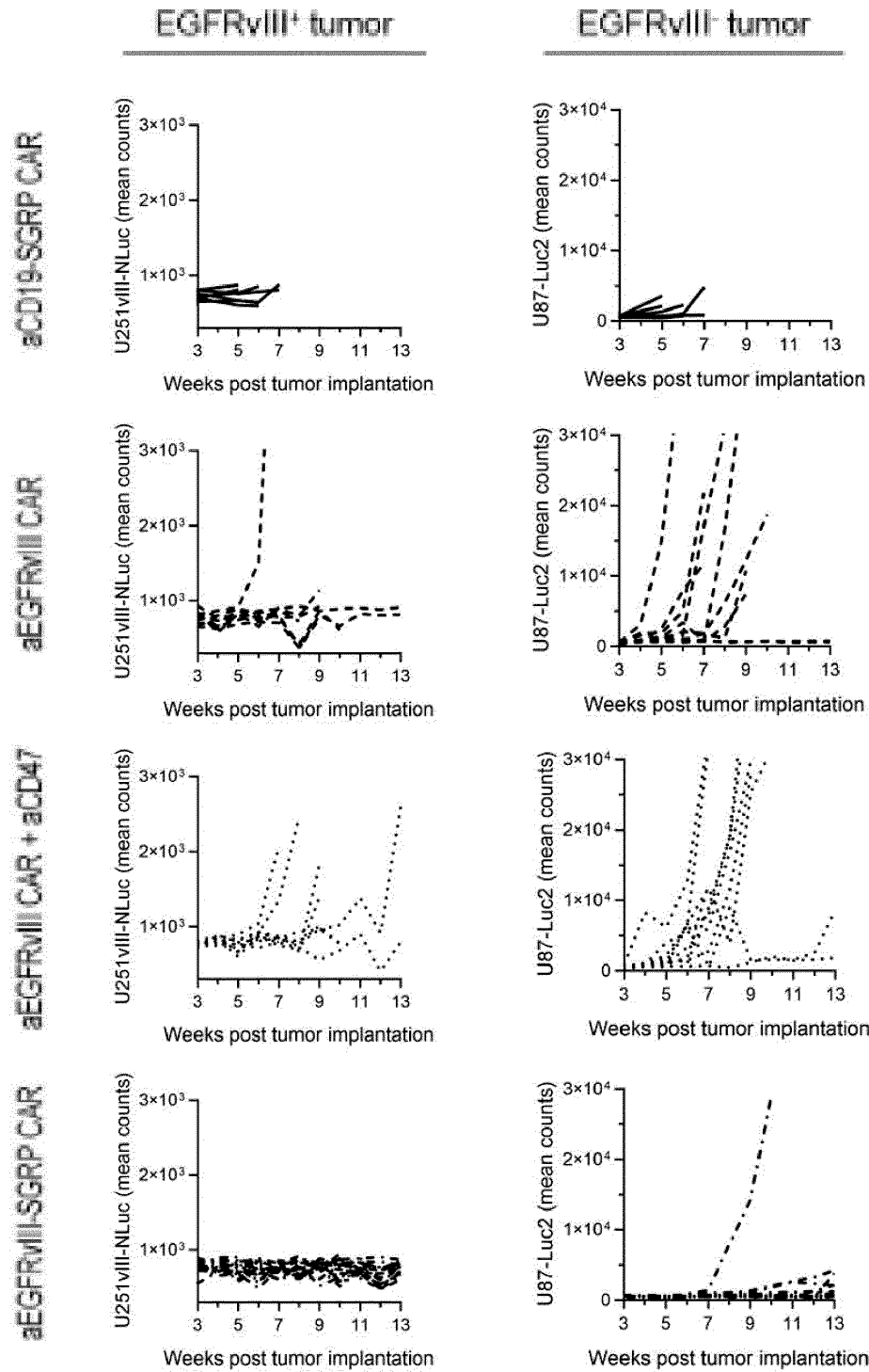
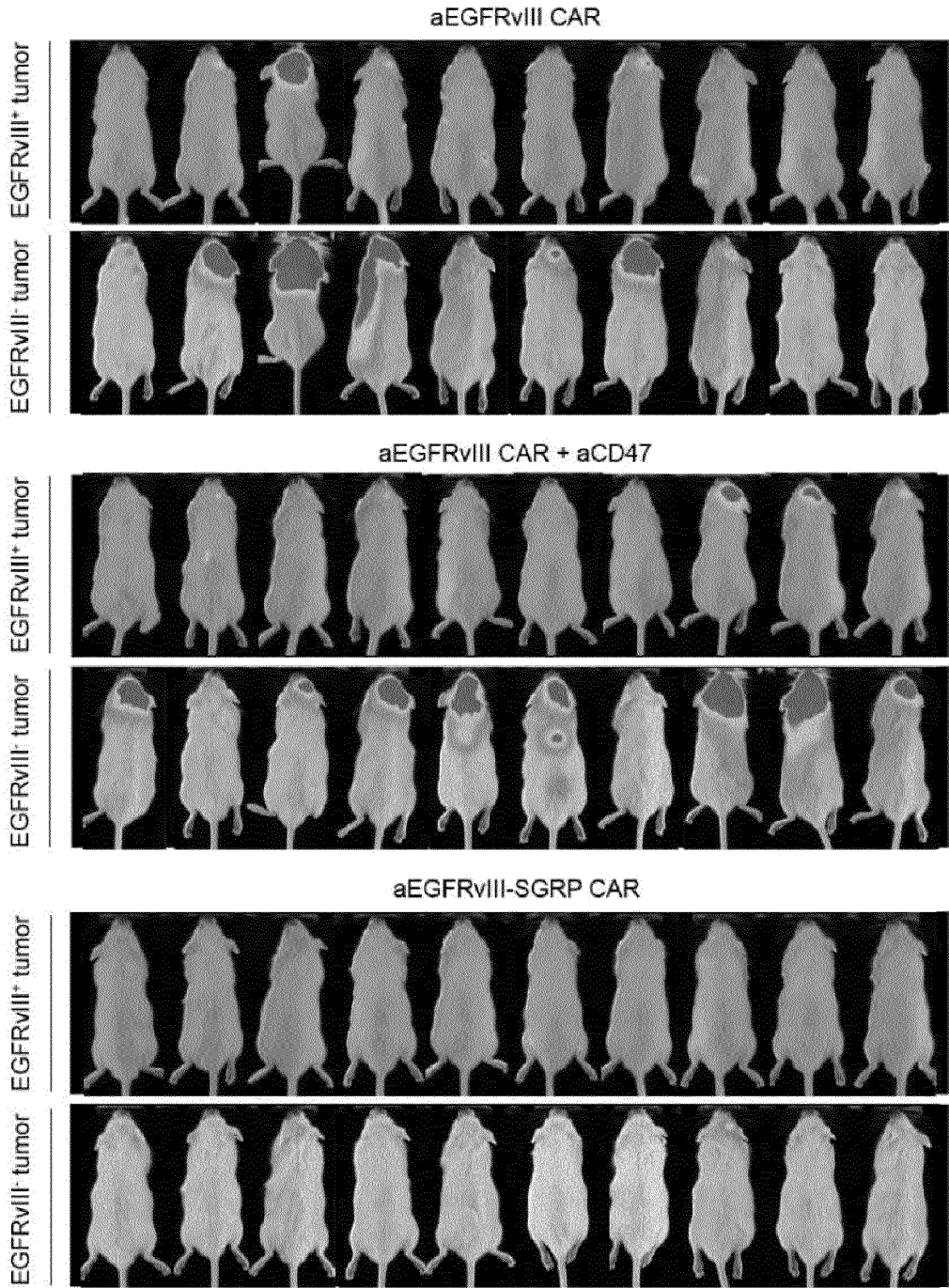


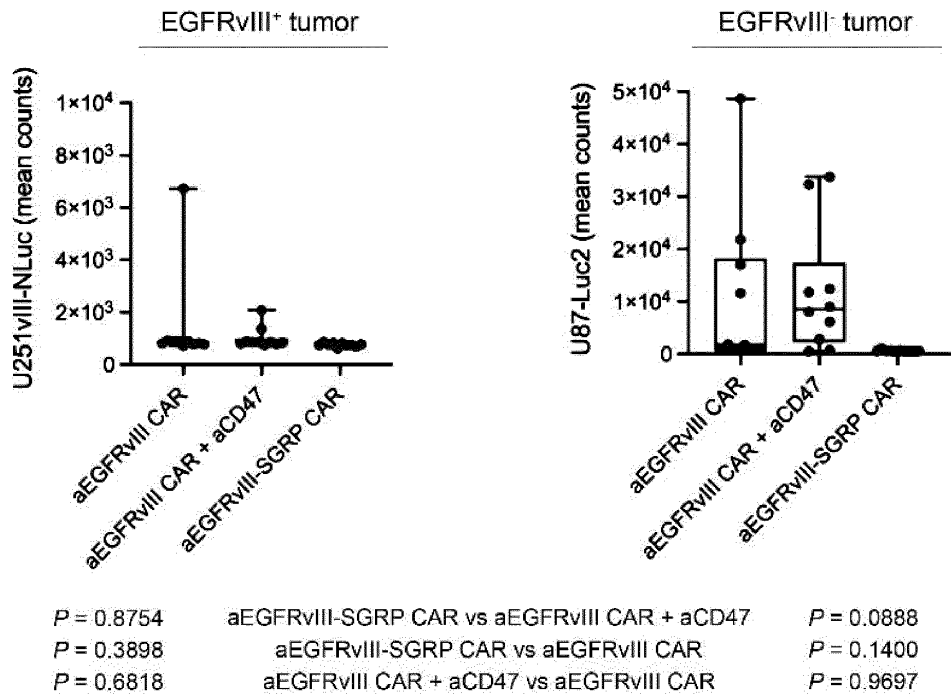
Figure 37 cont.



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Figure 38

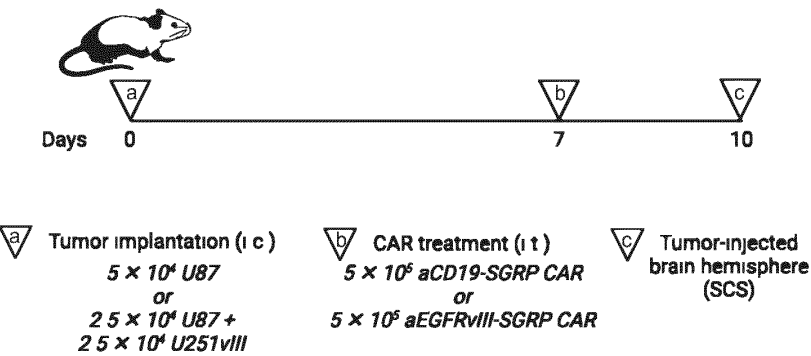


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Figure 39

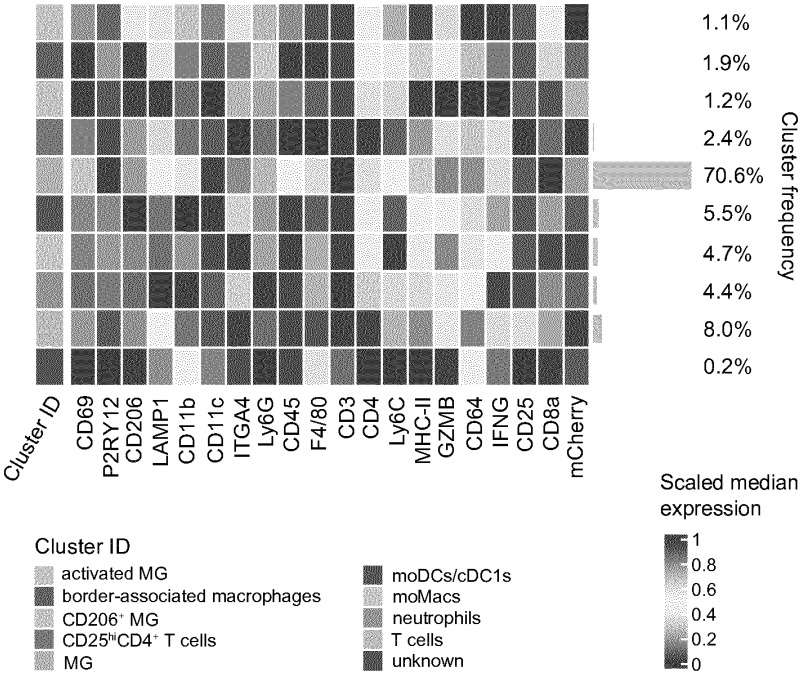


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Figure 40

Effect of SGRP-secreting CAR target priming on brain iTME

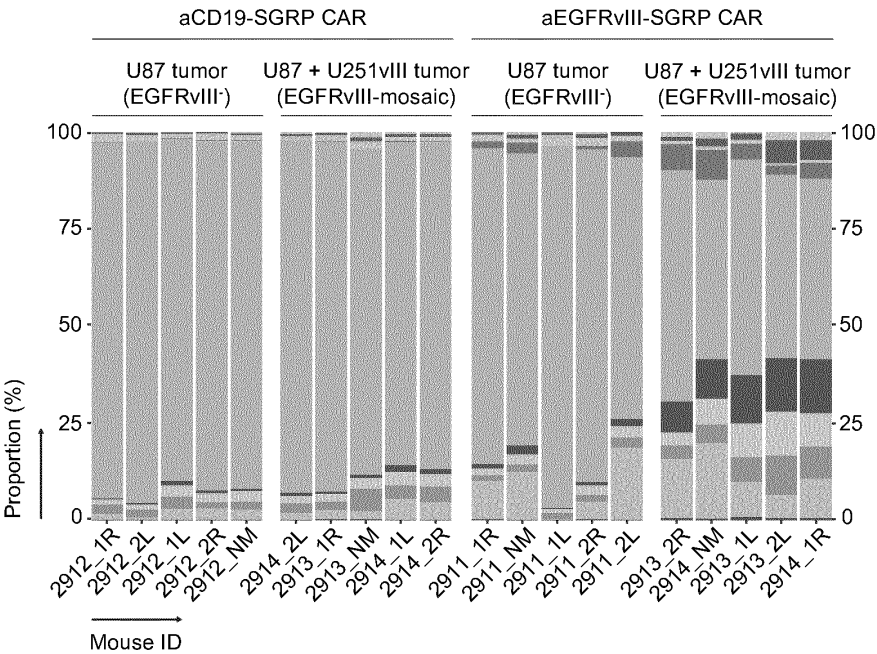


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Figure 41

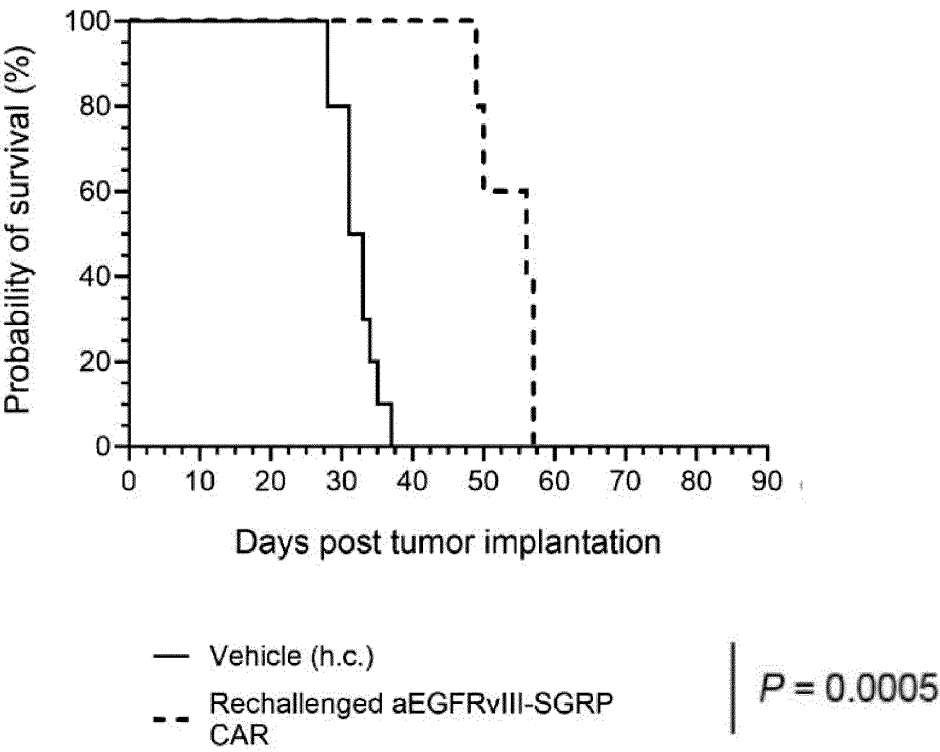


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Figure 42

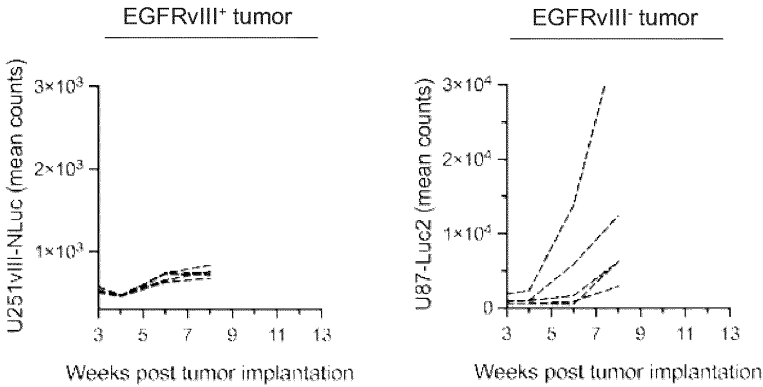


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Figure 43



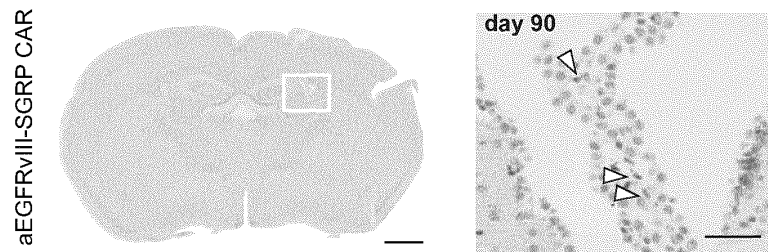
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Figure 44



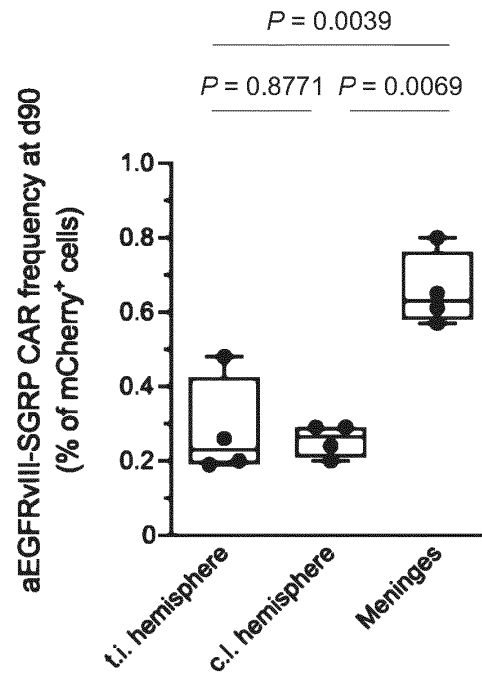
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Figure 45

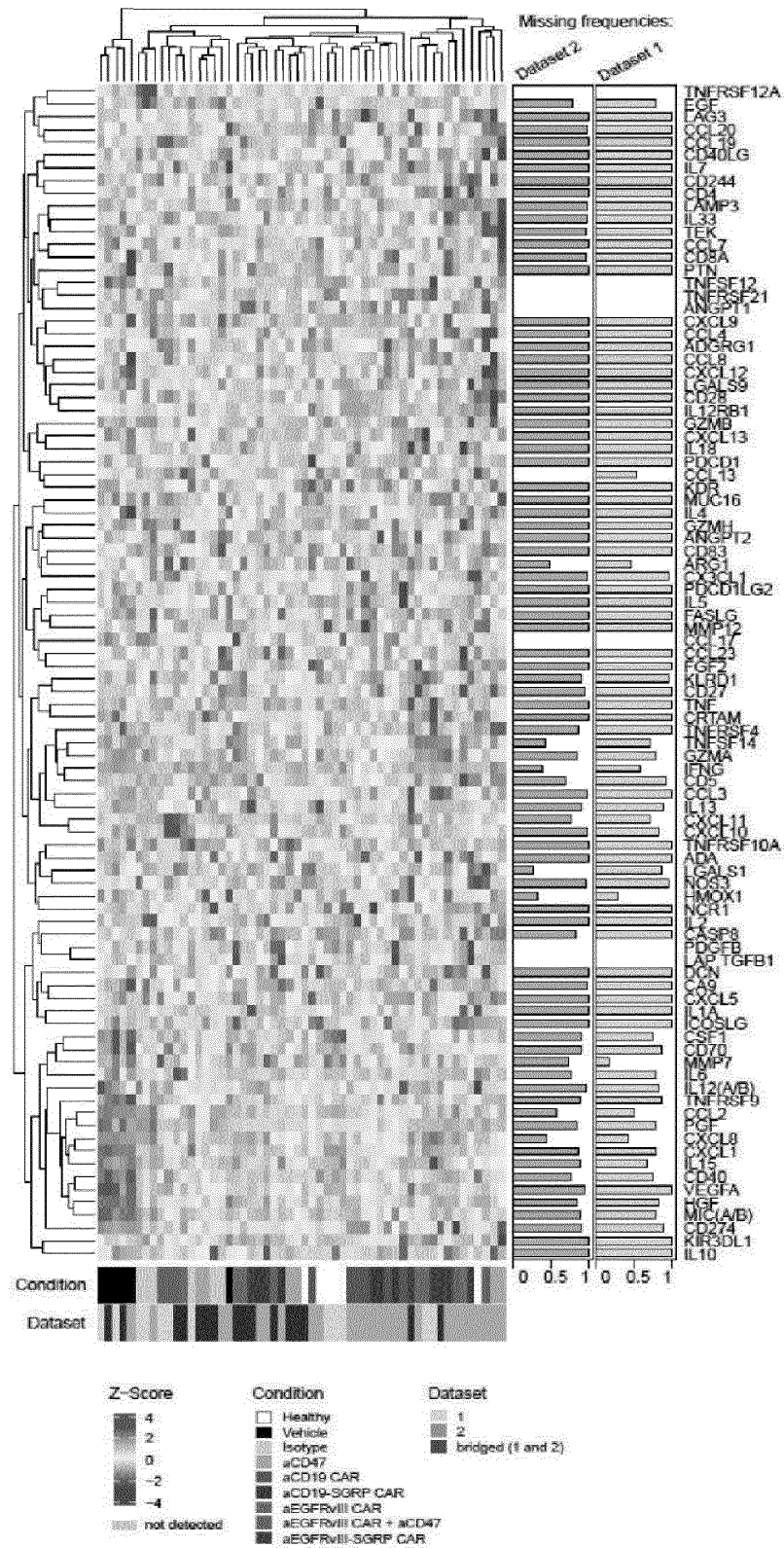


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Figure 46

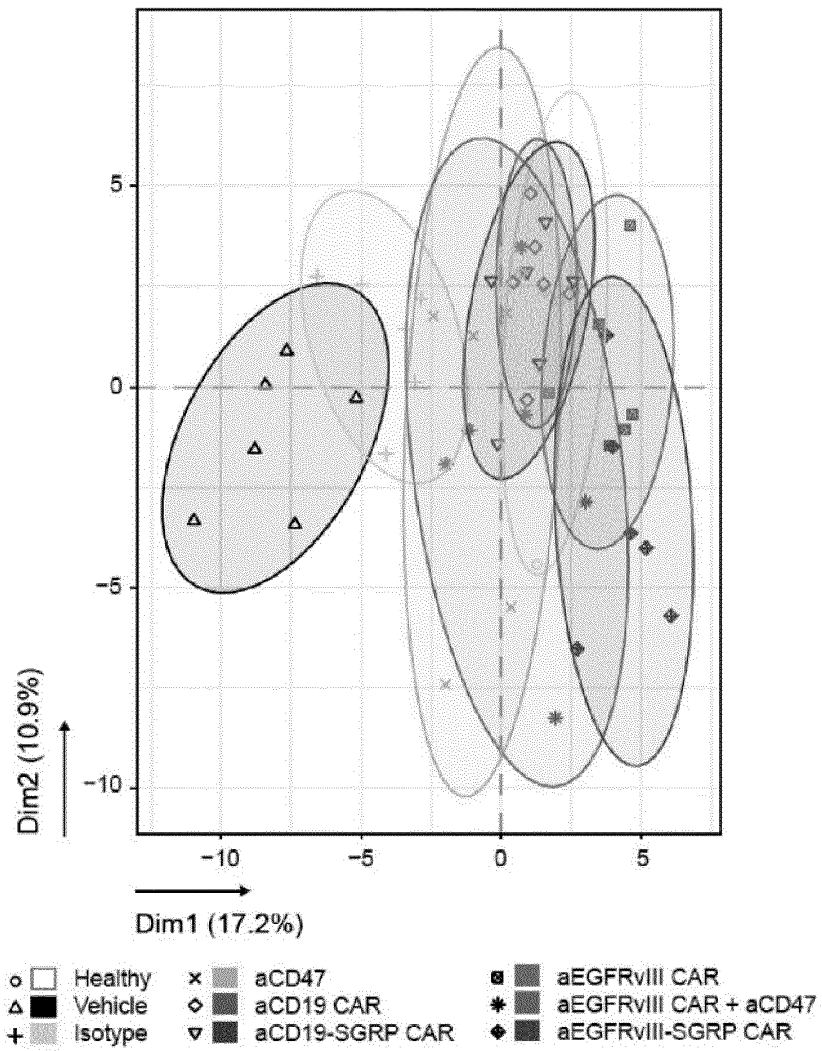


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Figure 47

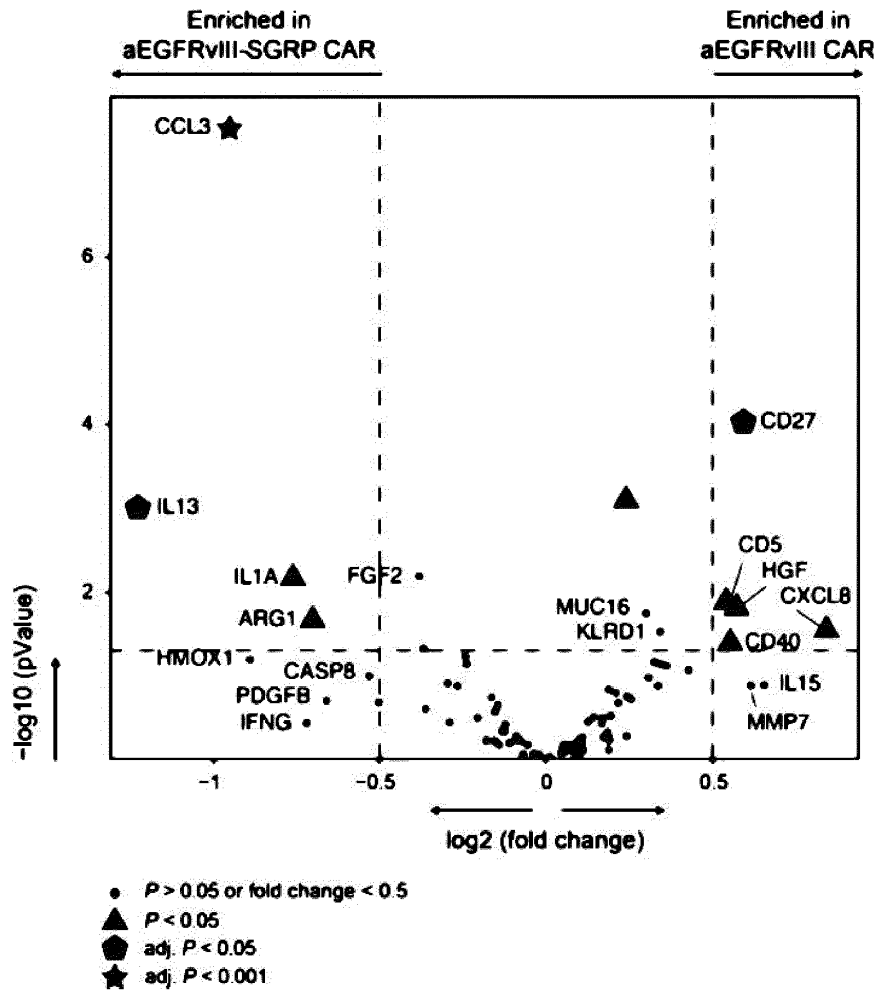


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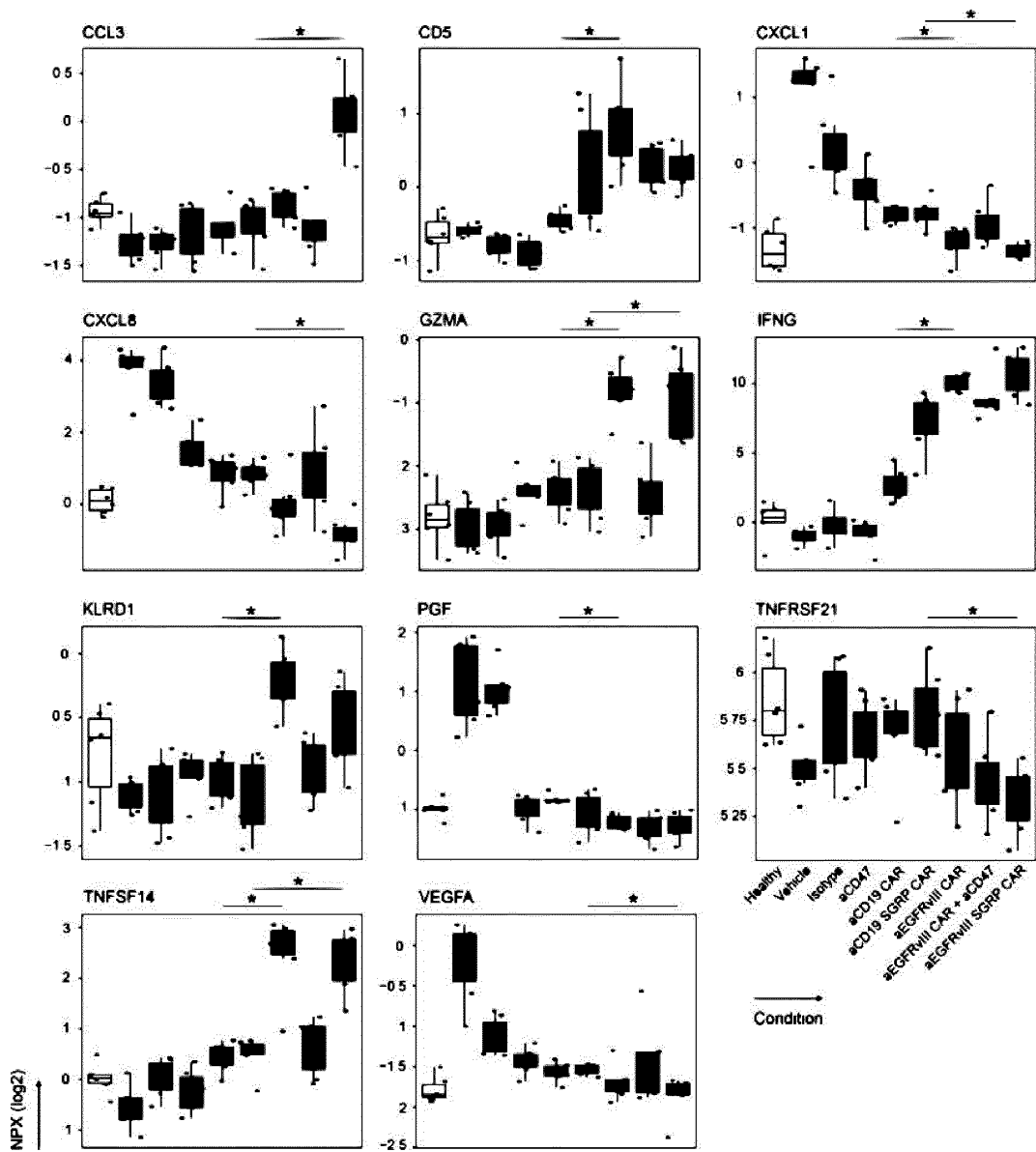
Figure 48



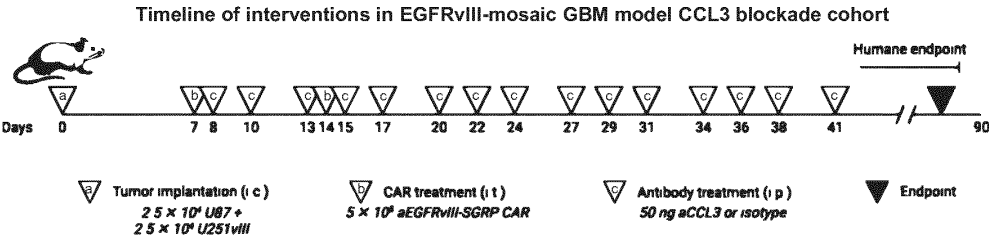
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Figure 49



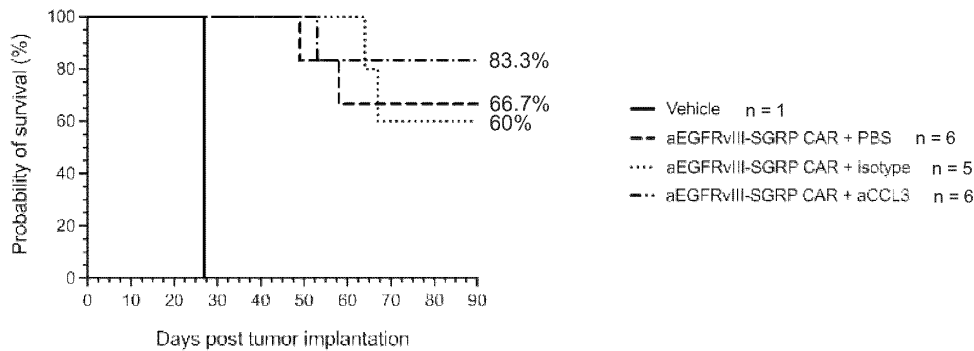
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Figure 50



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Figure 51



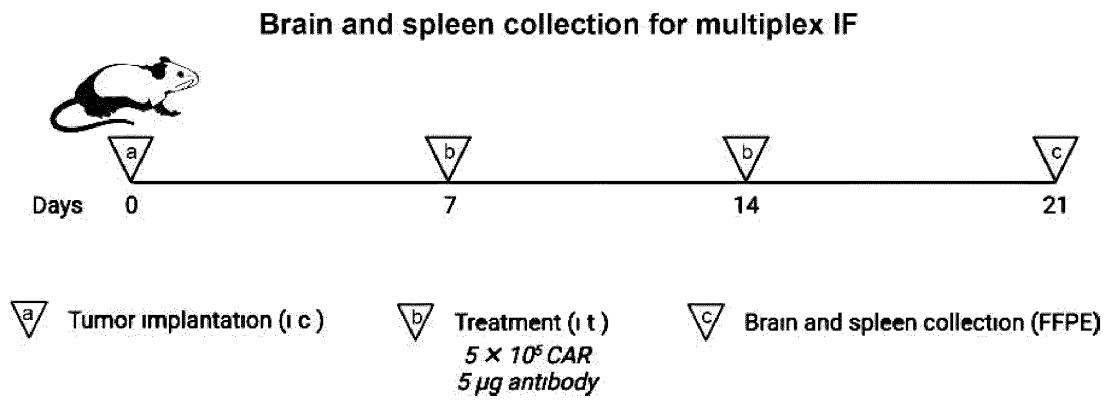
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Figure 52



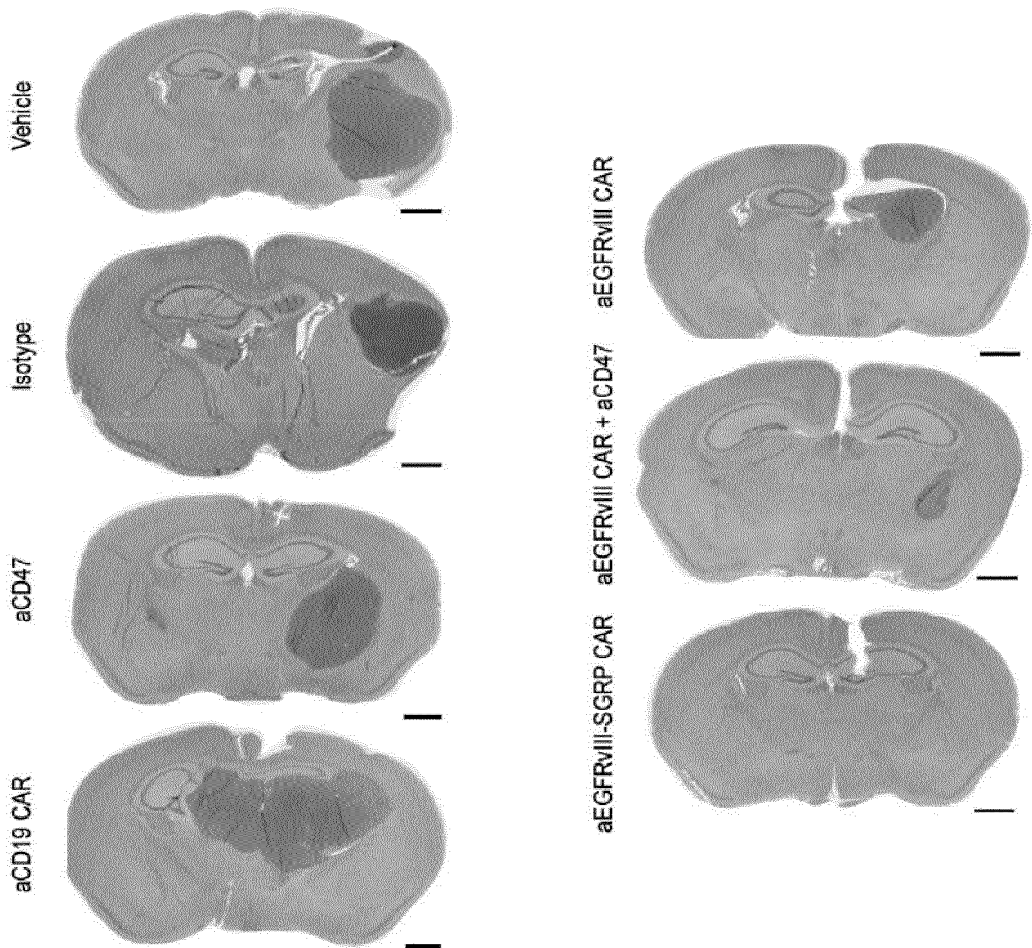
$P = 0.8193$ aEGFRvIII-SGRP CAR + aCCL3 vs aEGFRvIII-SGRP CAR + isotype
 $P = 0.9193$ aEGFRvIII-SGRP CAR + aCCL3 vs aEGFRvIII-SGRP CAR + PBS
 $P = 0.9919$ aEGFRvIII-SGRP CAR + isotype vs aEGFRvIII-SGRP CAR + PBS

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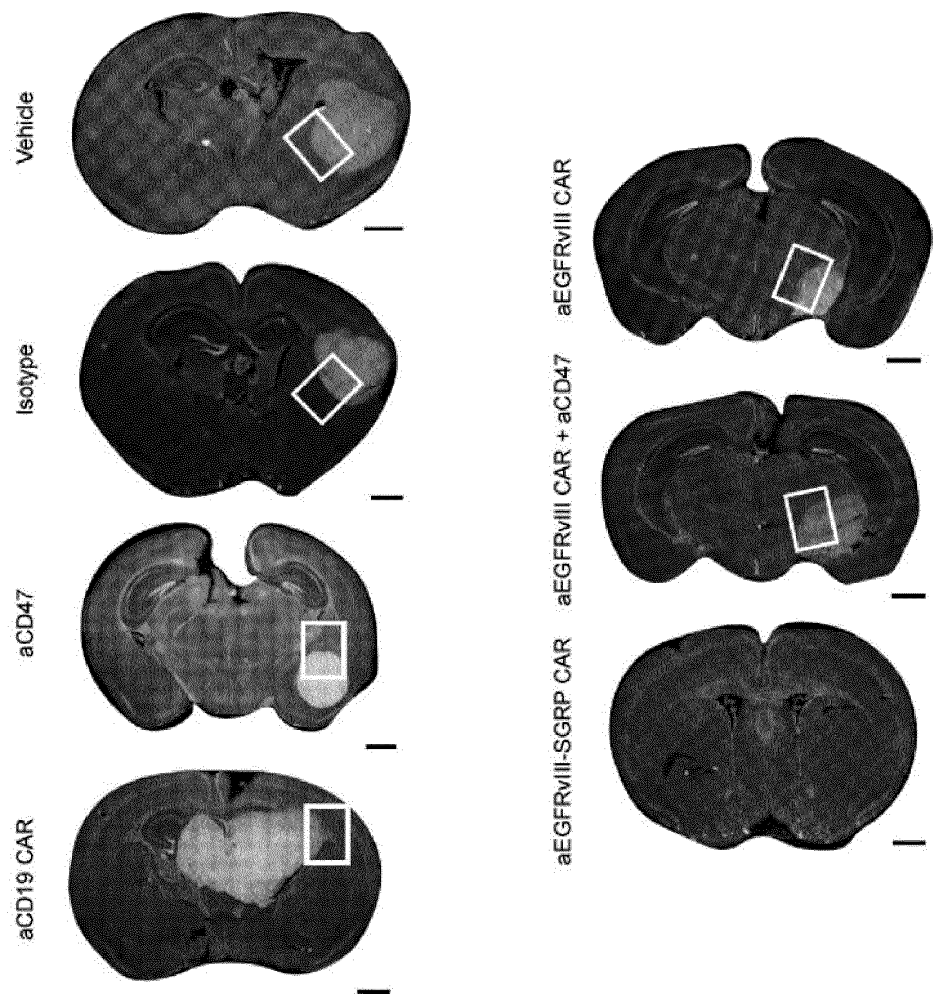
Figure 53



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Figure 54

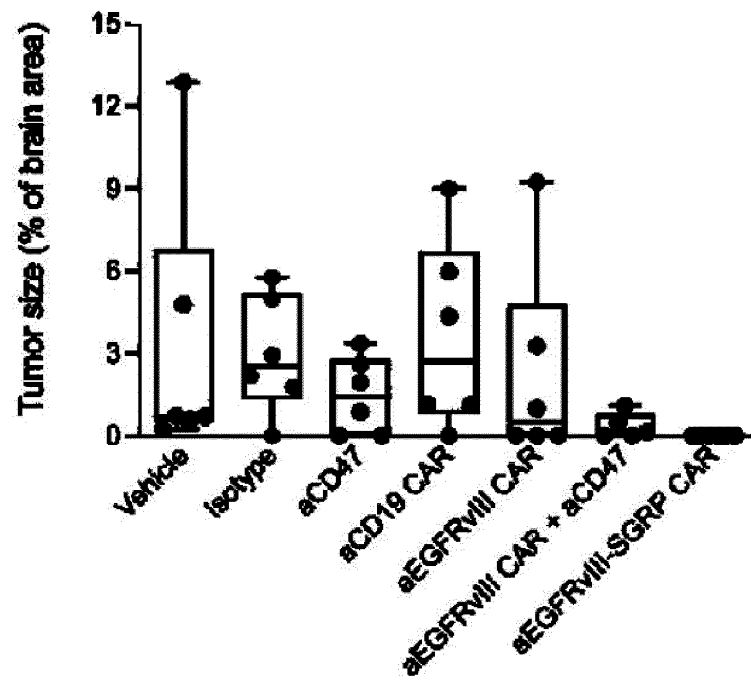


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Figure 55

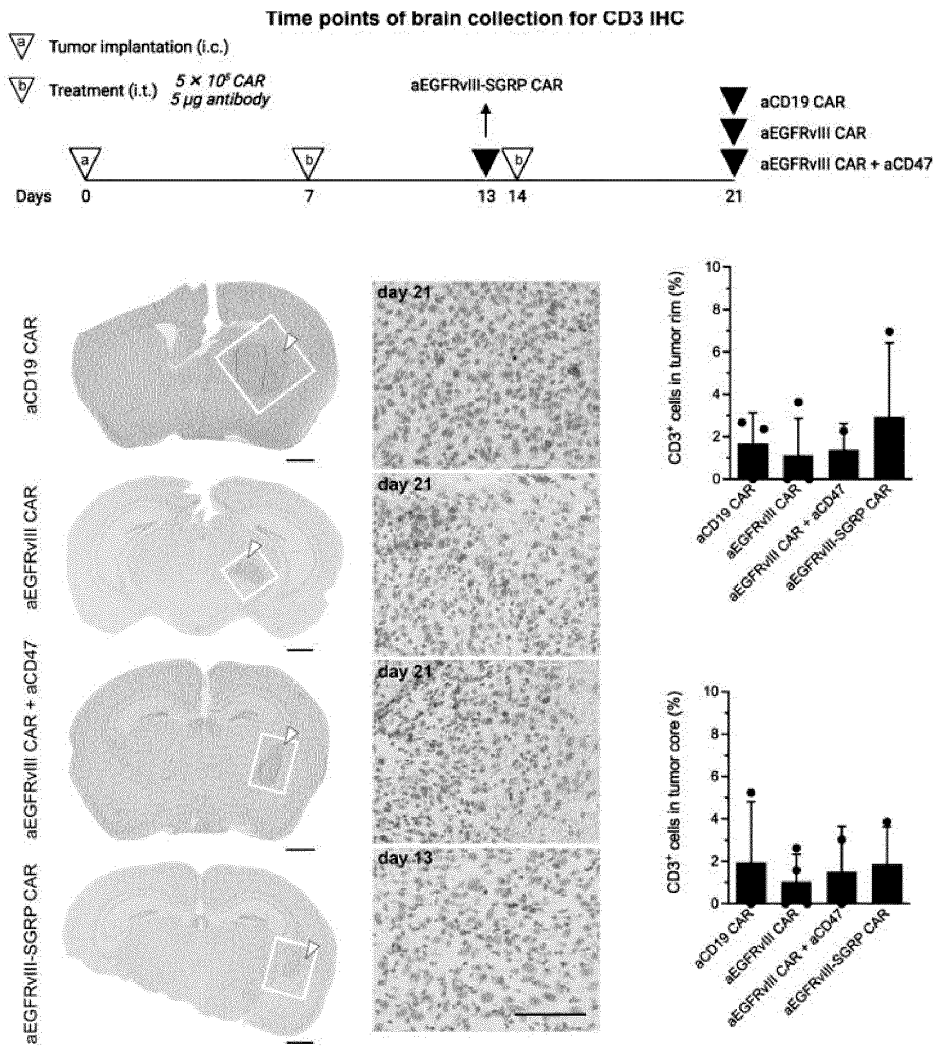


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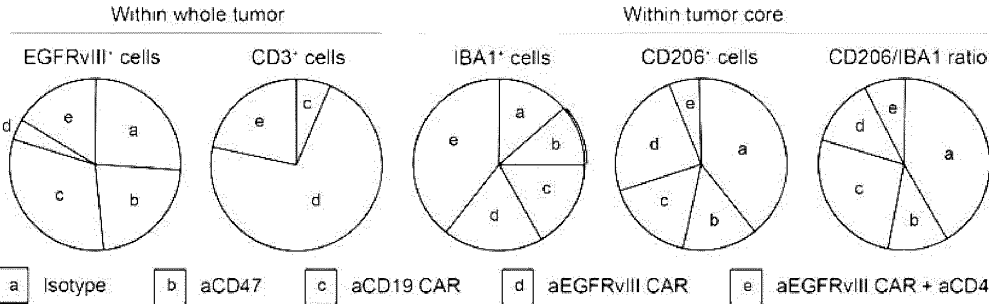
Figure 56



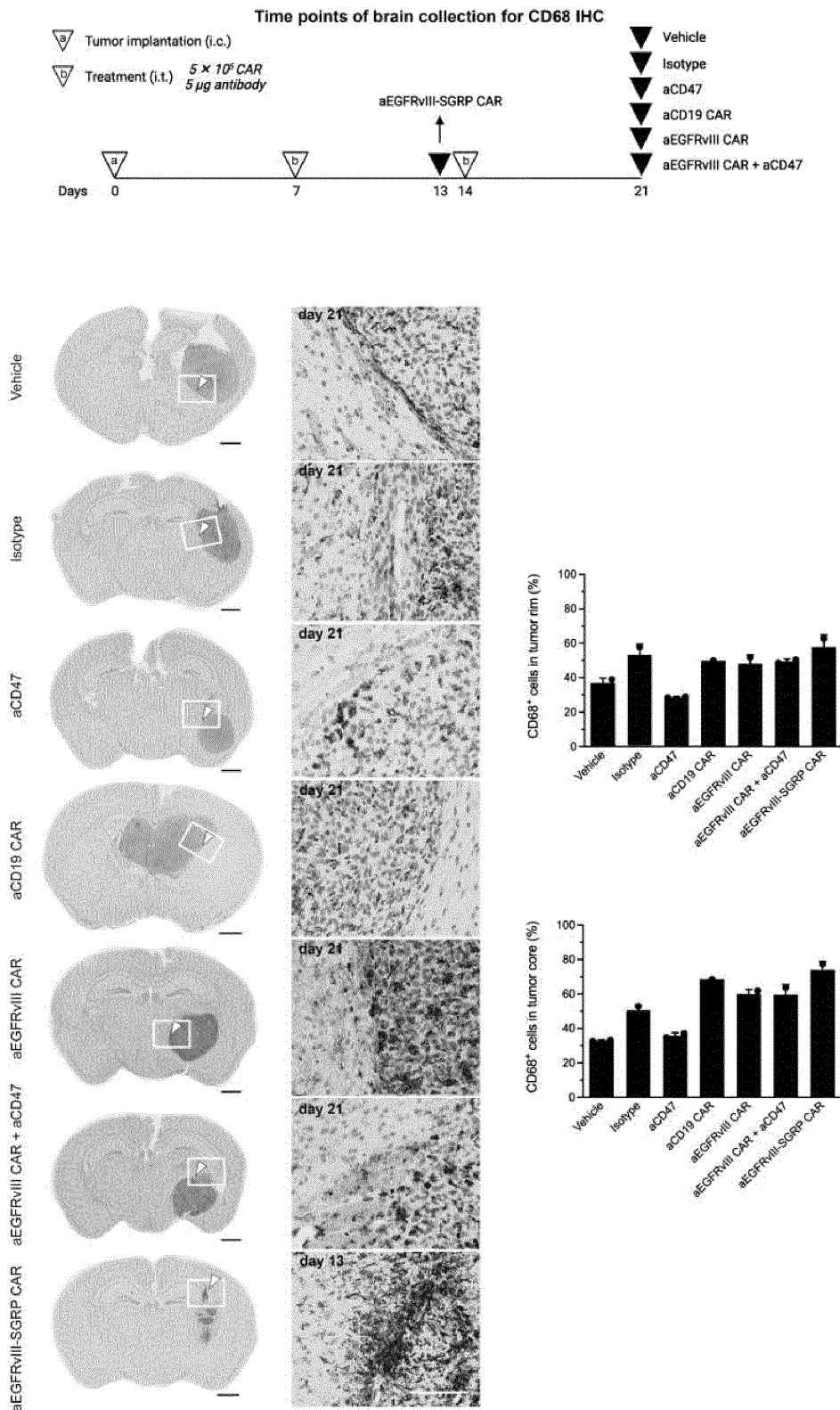
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Figure 57



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Figure 58

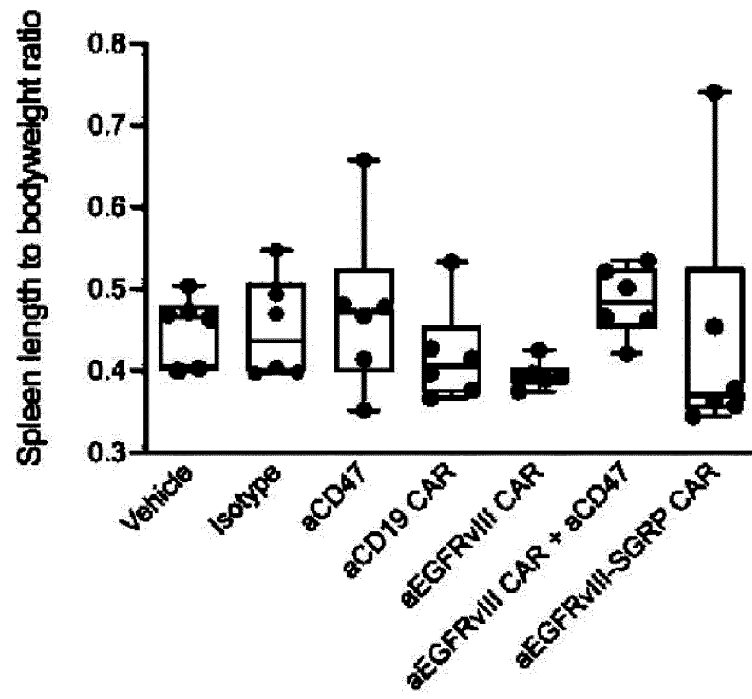


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Figure 59

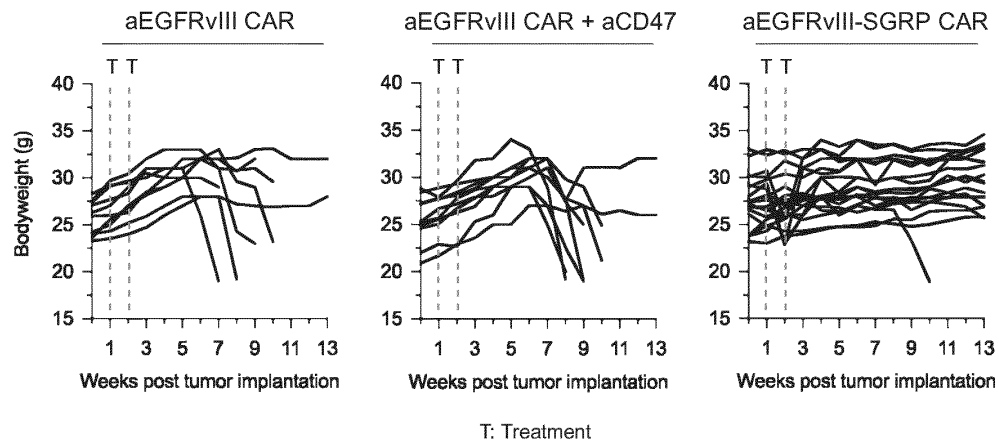


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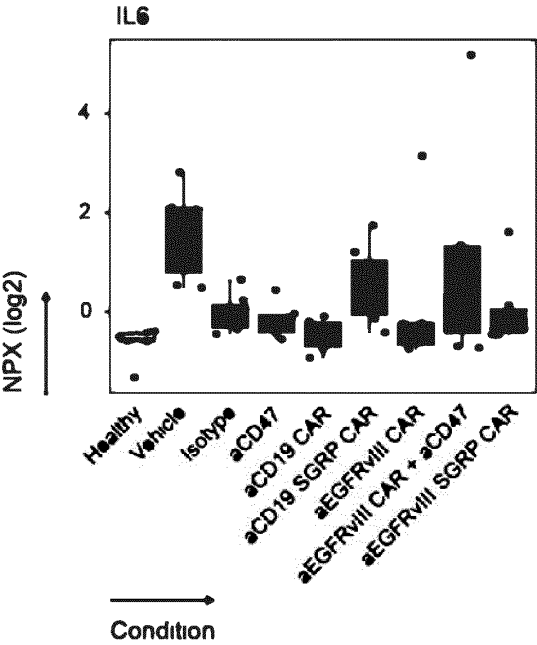
Figure 60



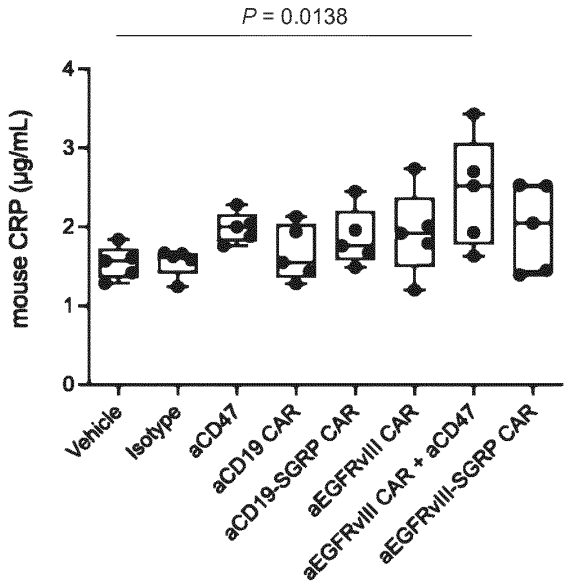
62/102
Figure 61



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Figure 62

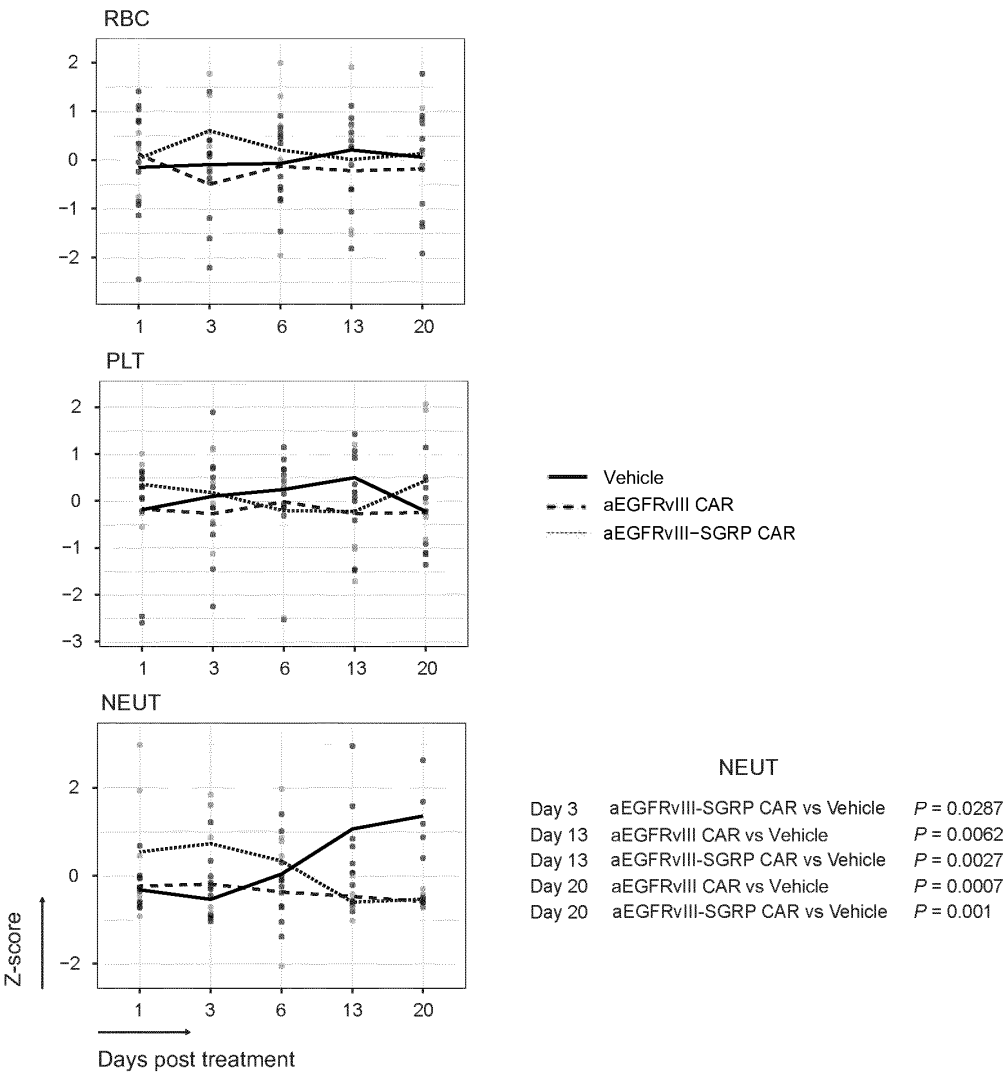


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Figure 63

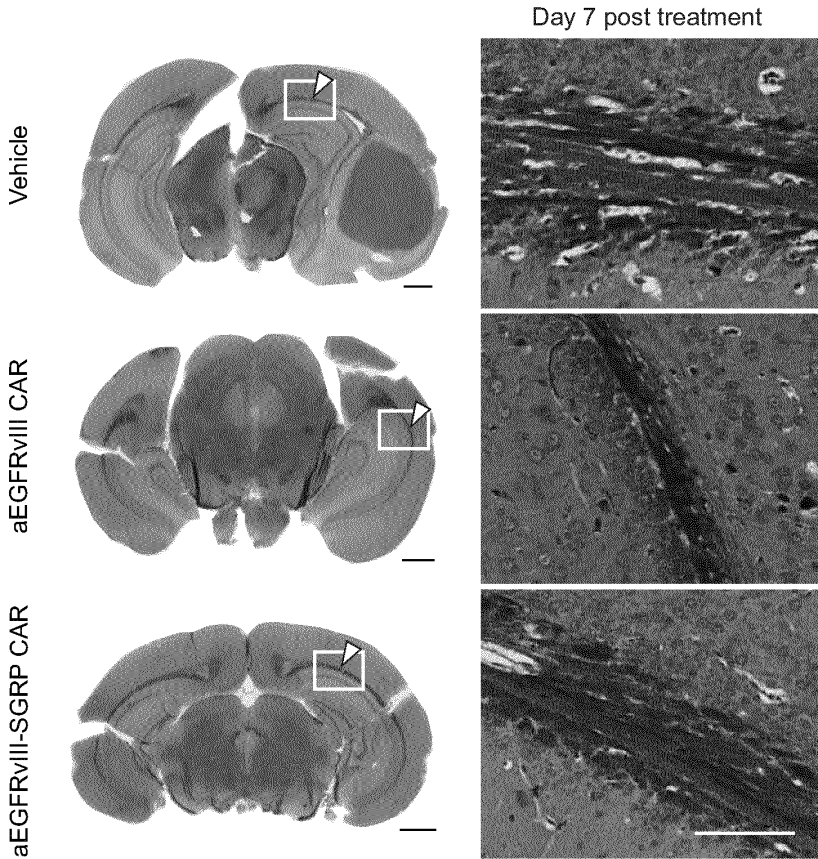


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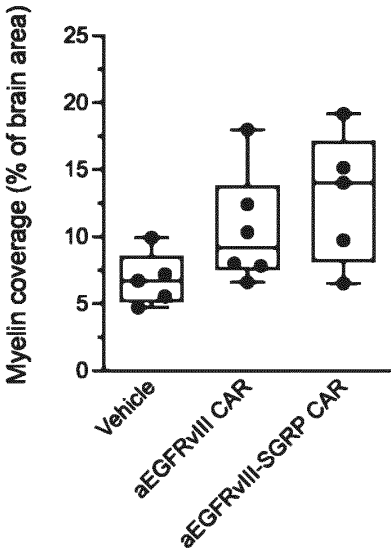
Figure 64



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Figure 65



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Figure 66

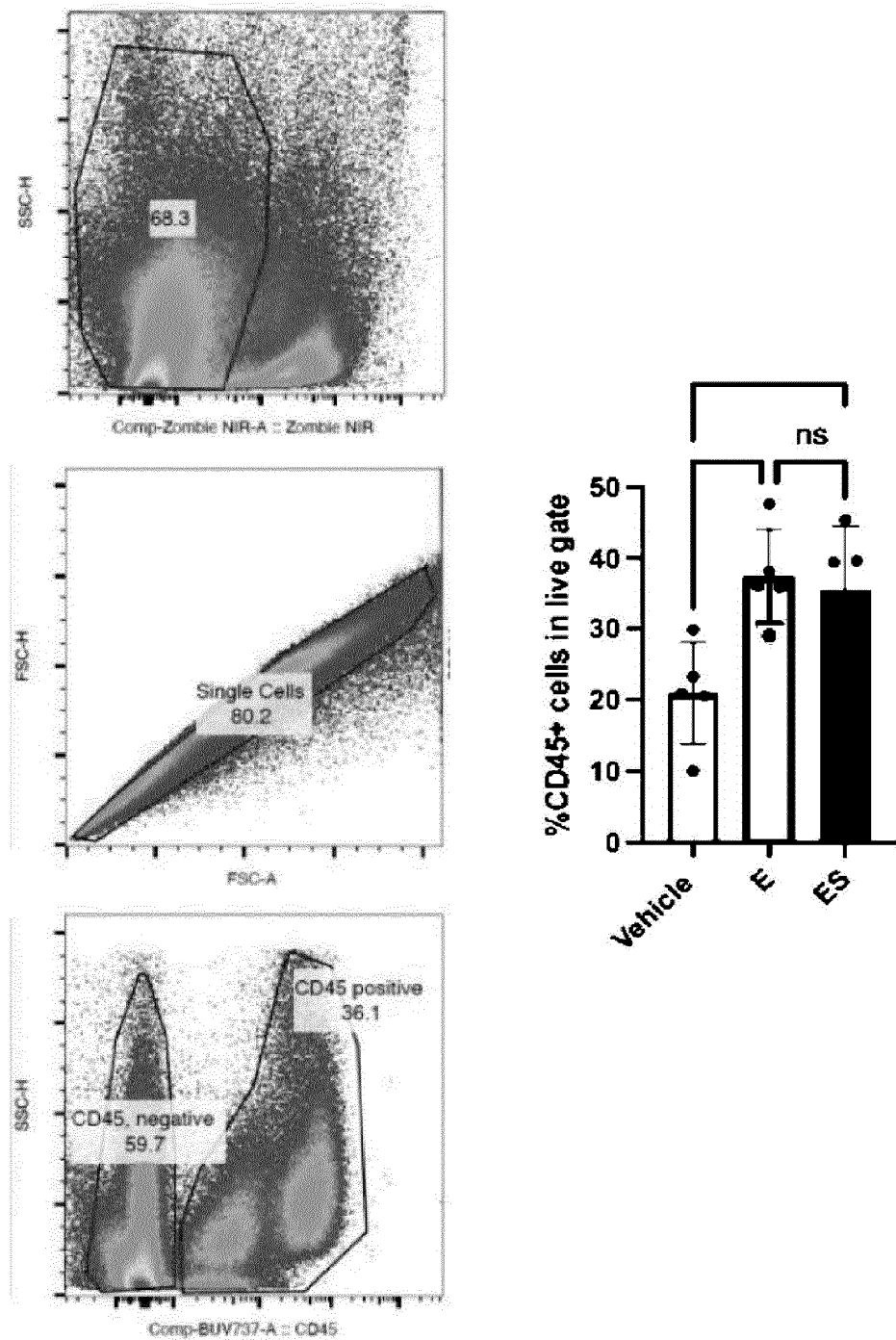


aEGFRvIII-SGRP CAR vs aEGFRvIII CAR	$P = 0.7778$
aEGFRvIII-SGRP CAR vs Vehicle	$P = 0.125$
aEGFRvIII CAR vs Vehicle	$P = 0.2406$

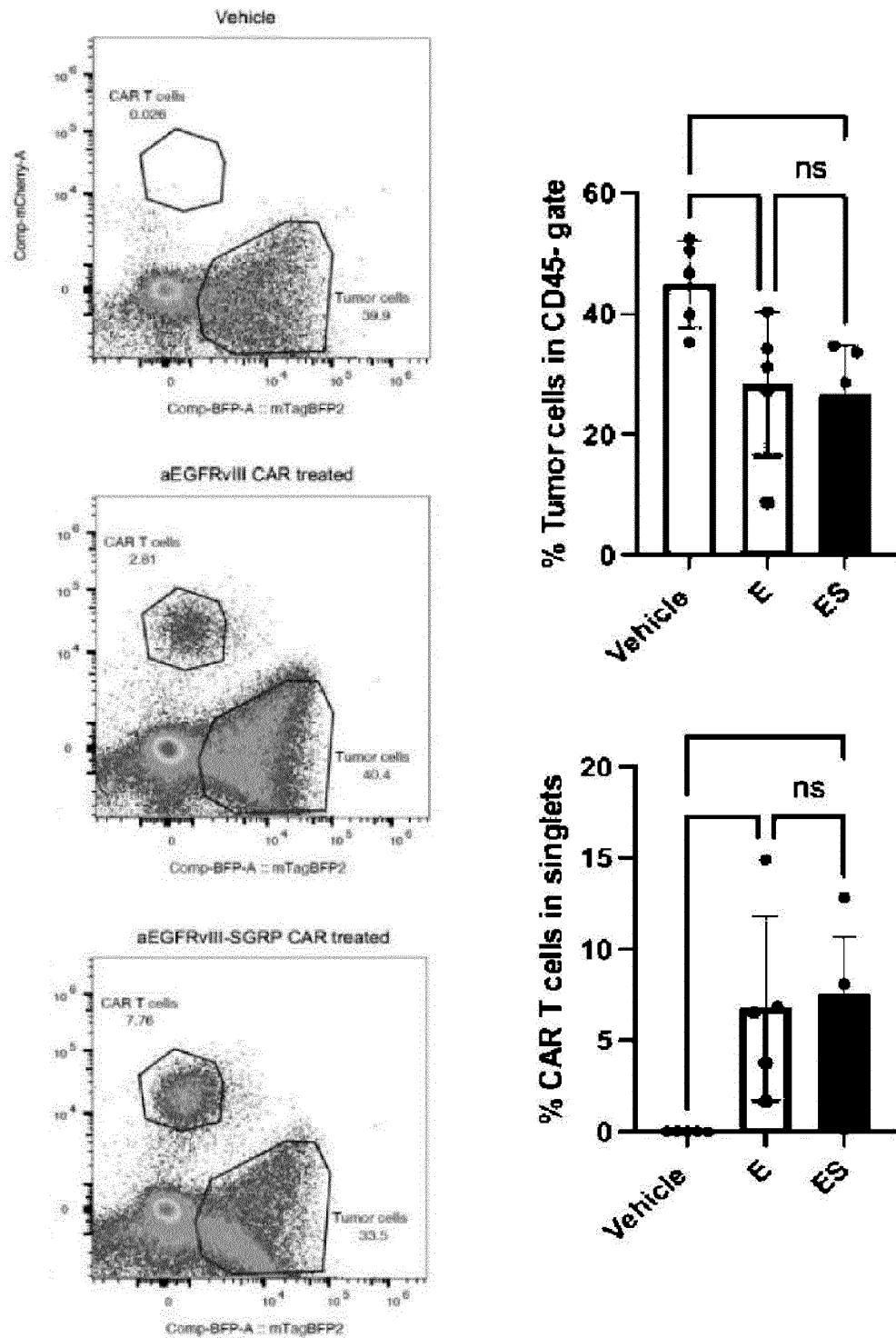
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Figure 67

Marker	Fluorophore
Surface	
CD45	BUV737
CD11b	BV510
CD11c	PE-Cy7
P2ry12	APC-Fire810
Siglec-H	APC
Ly6G	BUV563
Ly6C	BV785
F4/80	BV605
XCR1	BV421
CD86	PE/Cy5
MHCII	Nova Fluor 610-705
MerTK	BV711
Axl	AF488
CD8a	BV650
CD4	BUV496
CD206	AF700
EGFRvIII	PerCP
Intracellular	
TNFa	PE
U87	mTagBFP2
U251vIII	iRFP713 -> mTagBFP2
Live dead	Zombie NIR
TrueStain FcX	α-mouse FcBlock
Human TrueStain FcX	α-human FcBlock

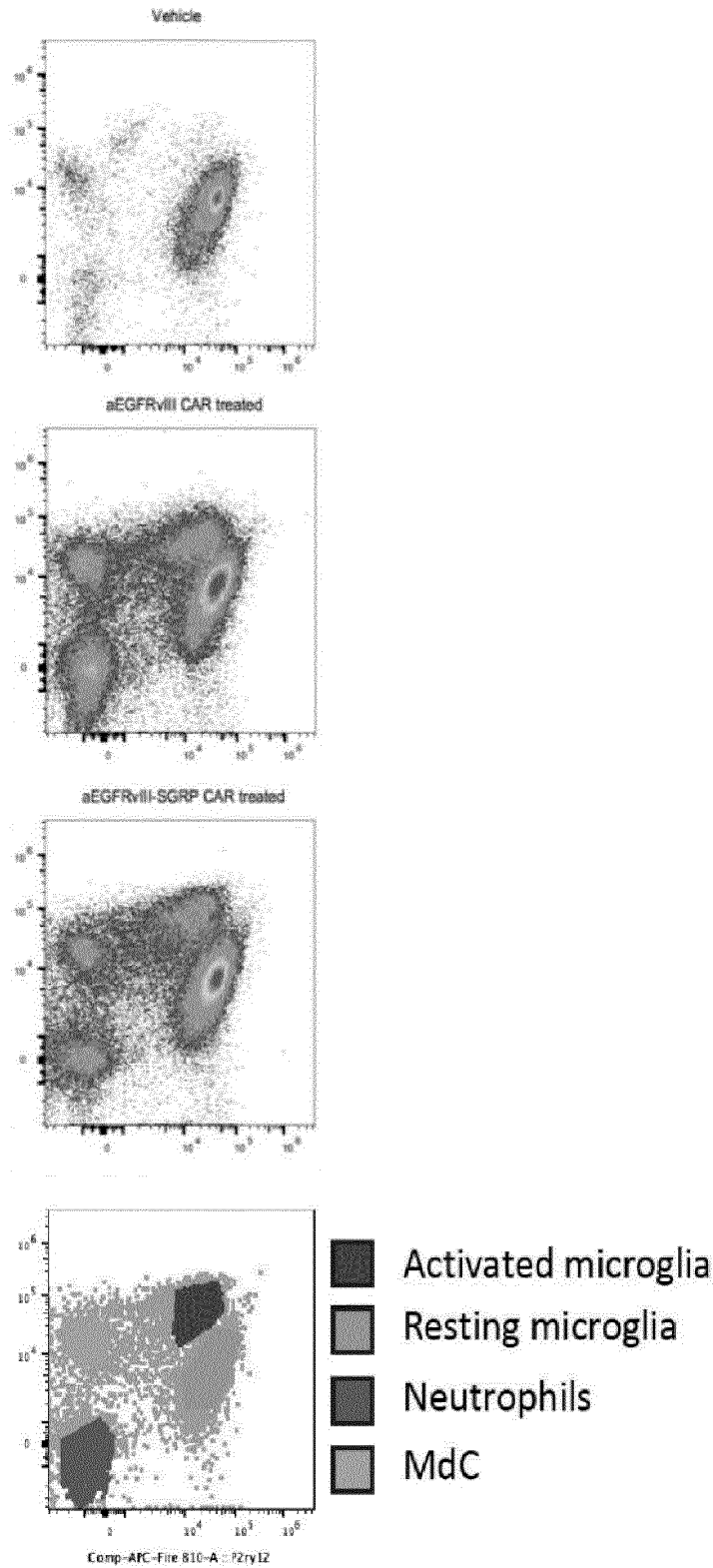
69/102
Figure 68



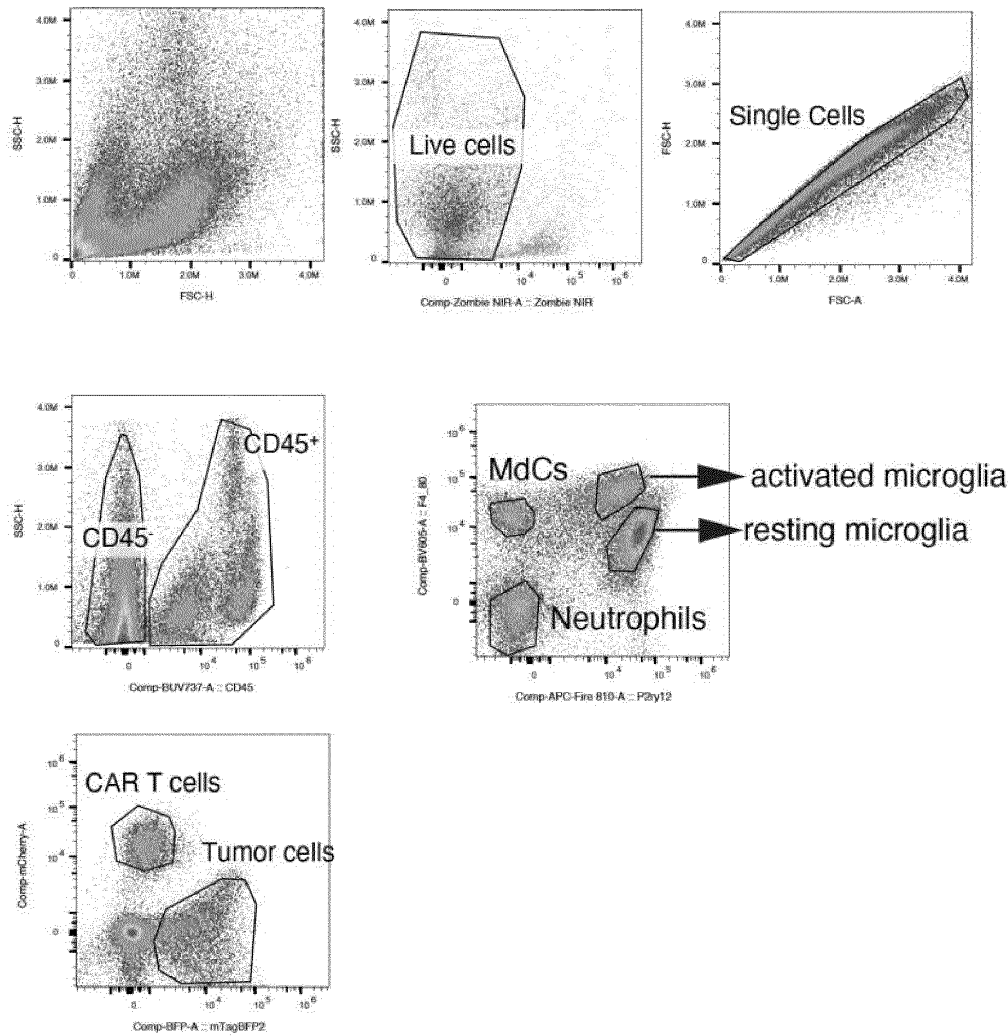
70/102
Figure 69



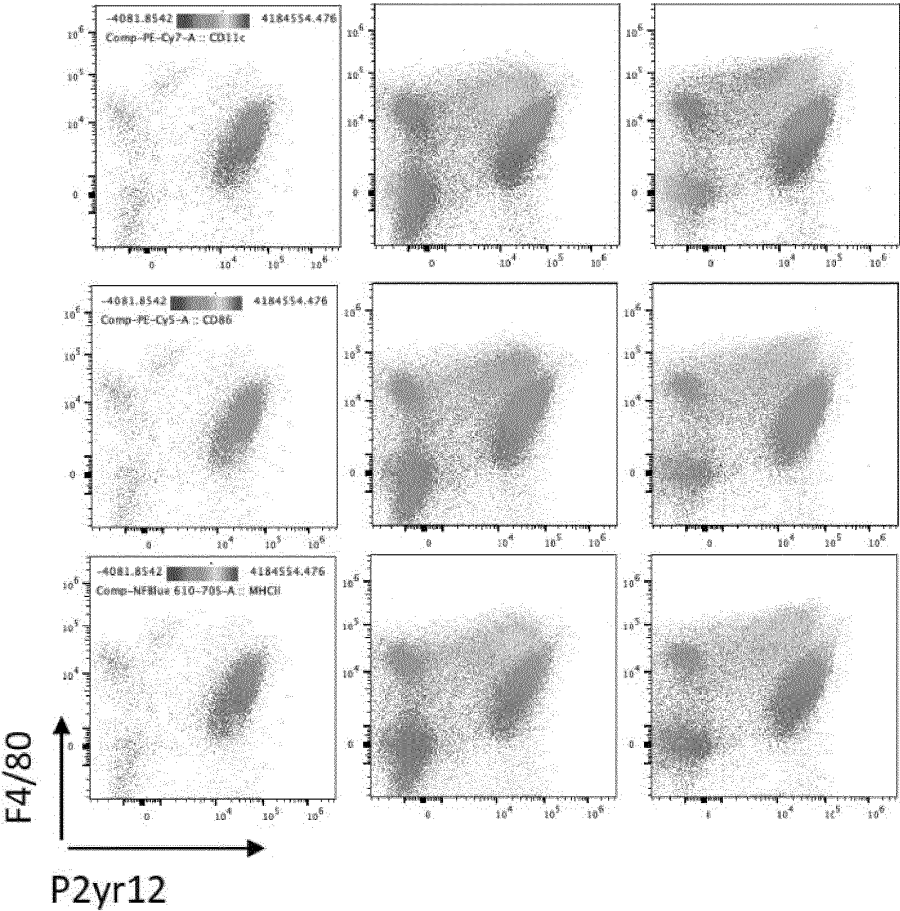
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Figure 70



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Figure 71

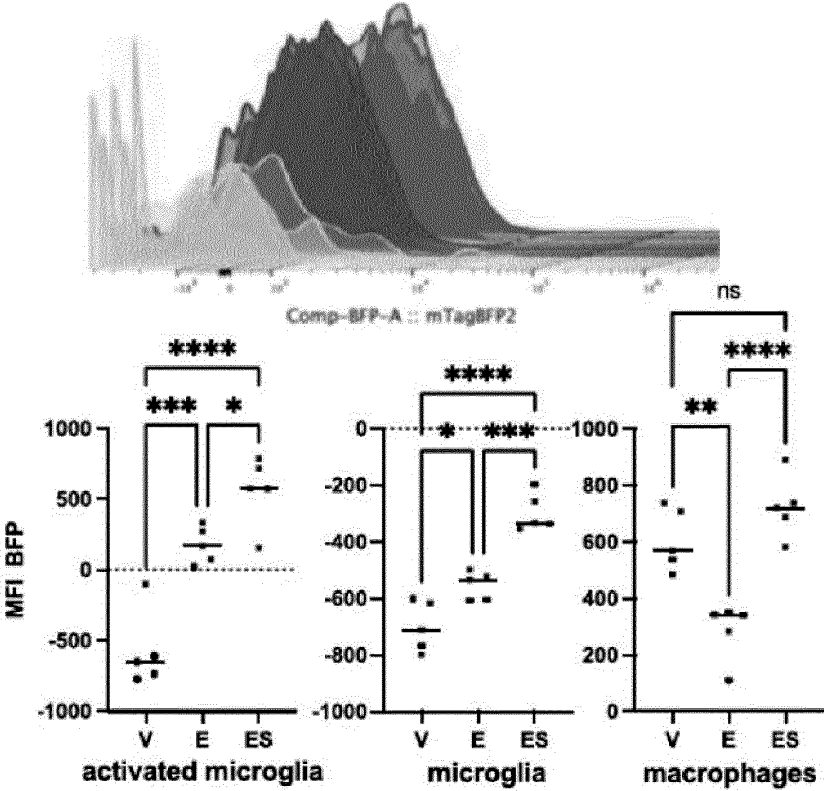


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Figure 72



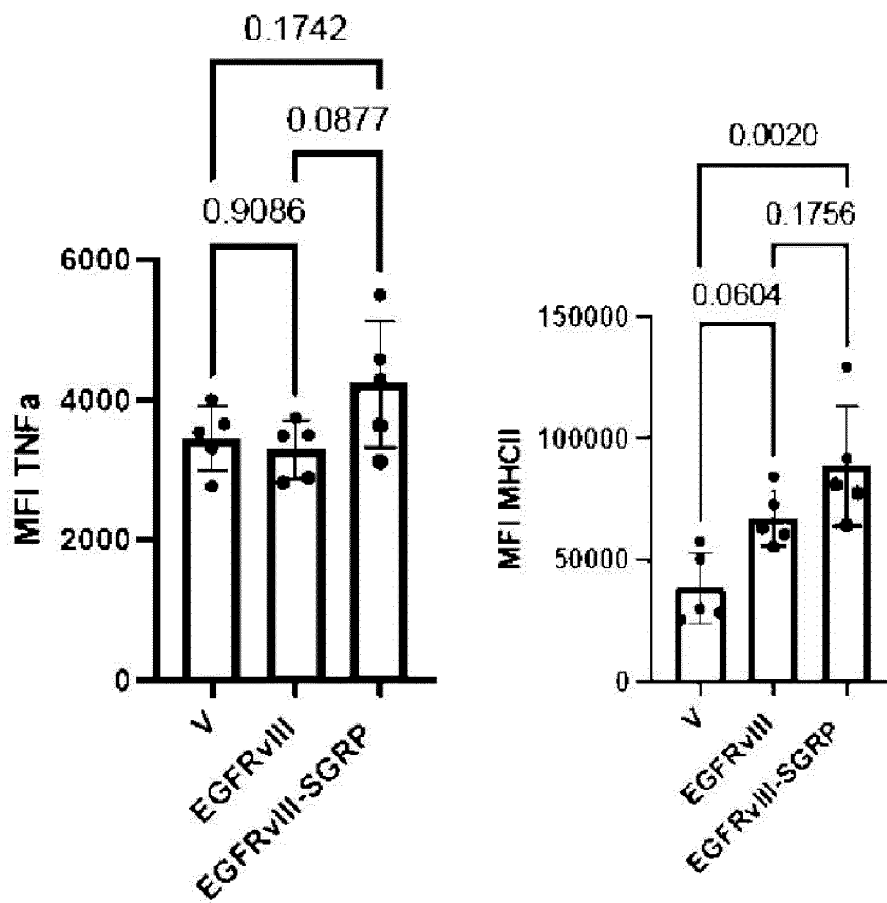
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Figure 73

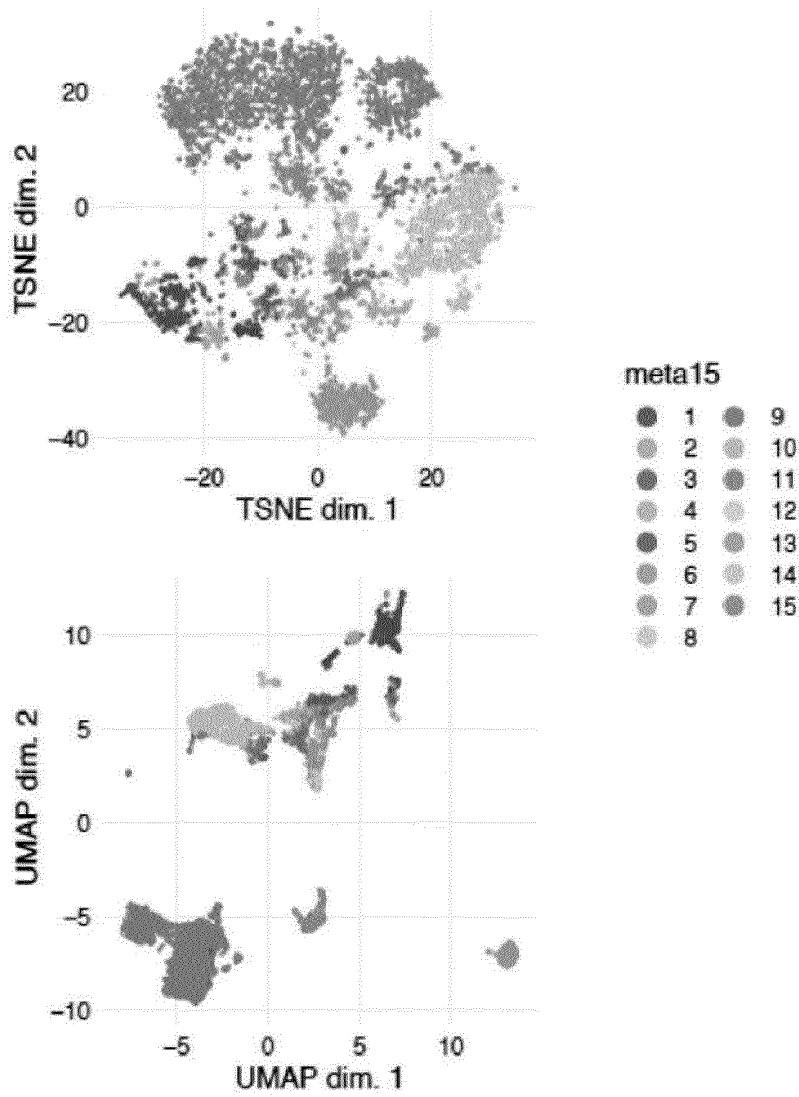


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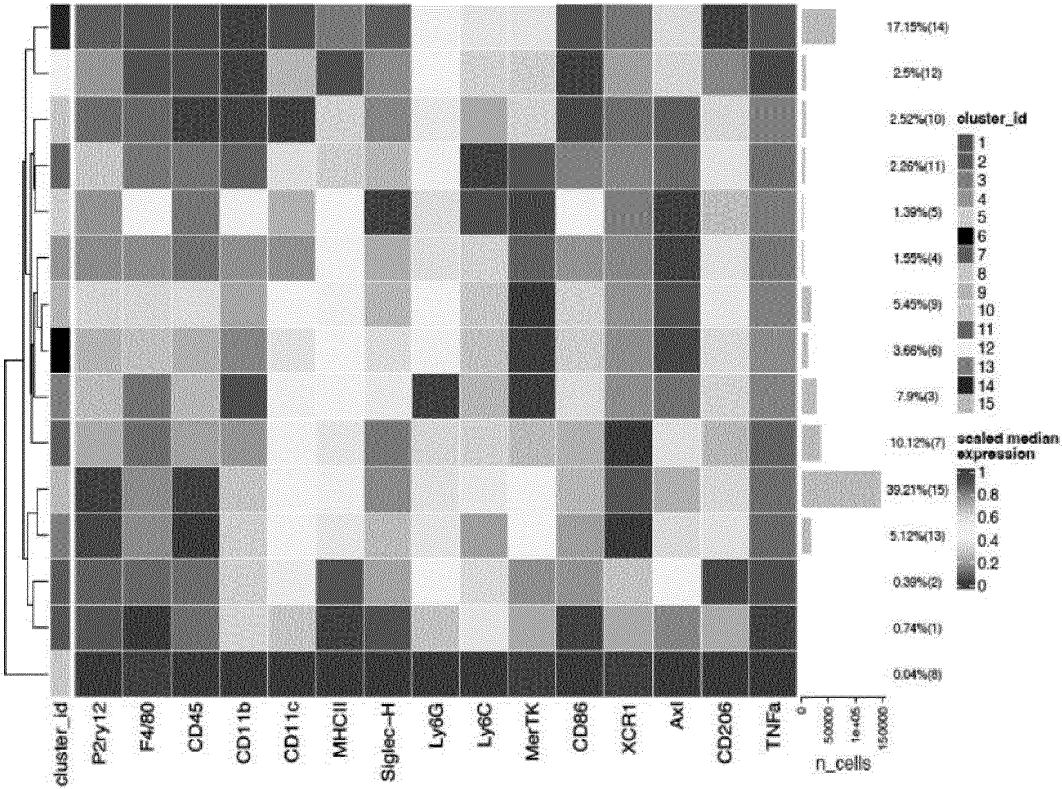
Figure 74



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Figure 75

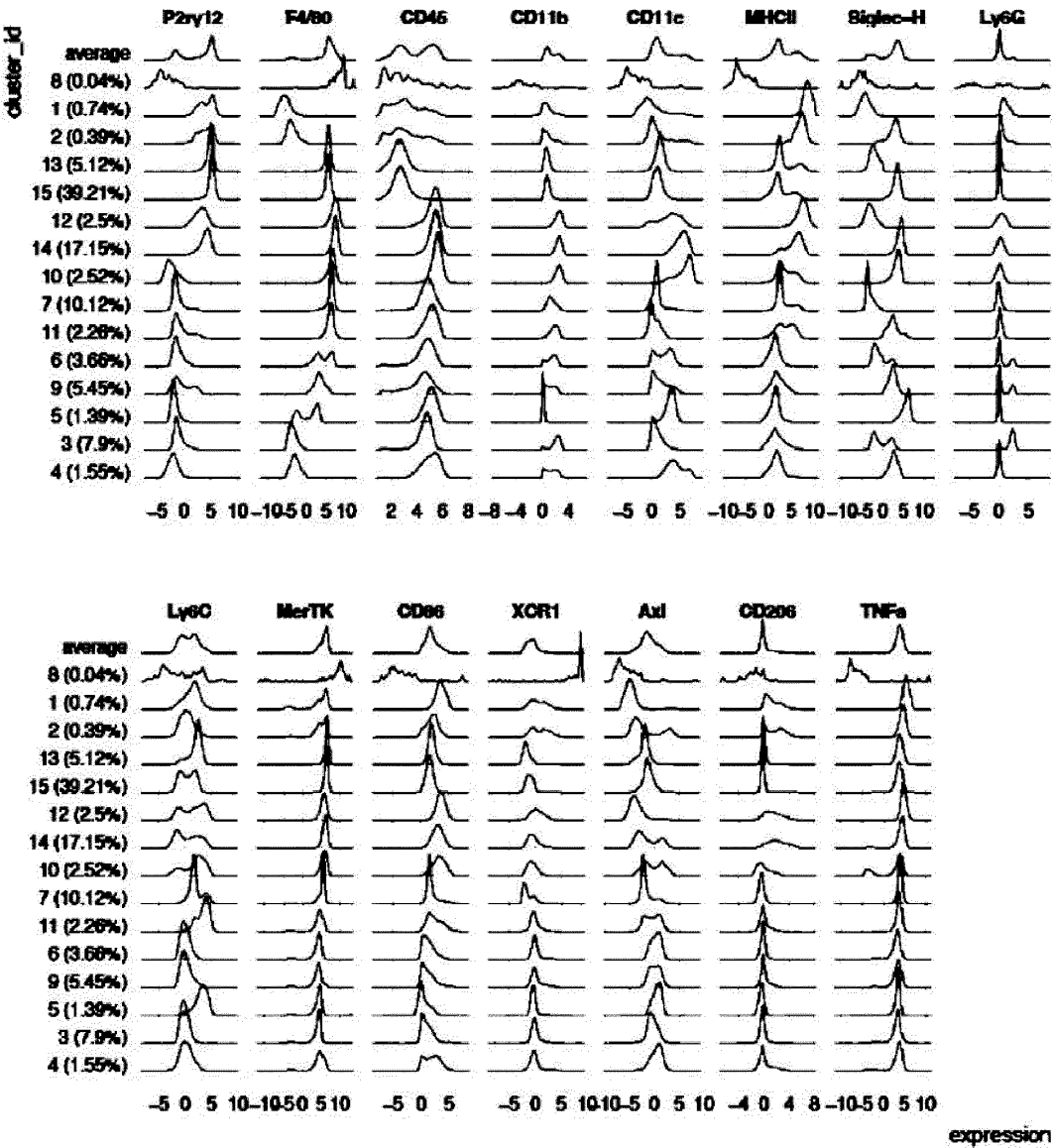


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Figure 76



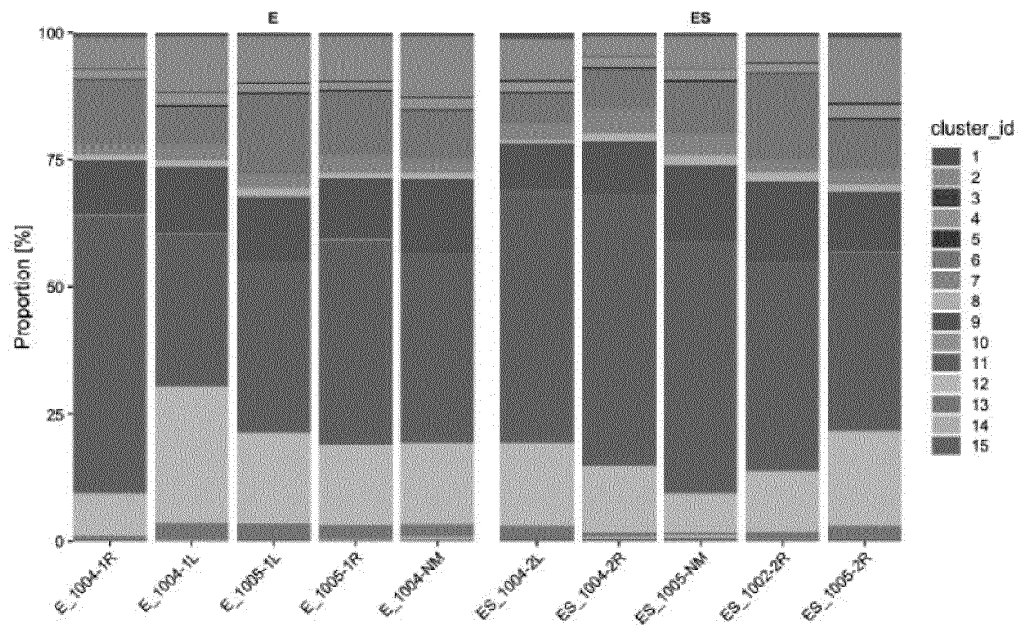
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Figure 77



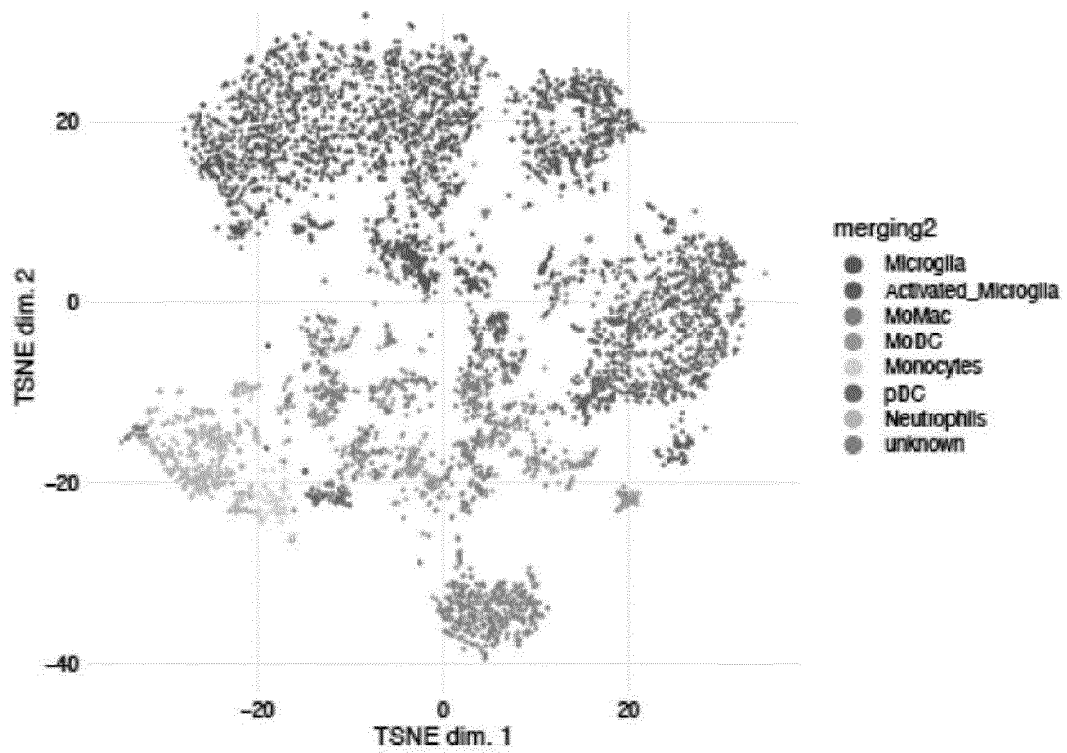
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Figure 78



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Figure 79



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Figure 80

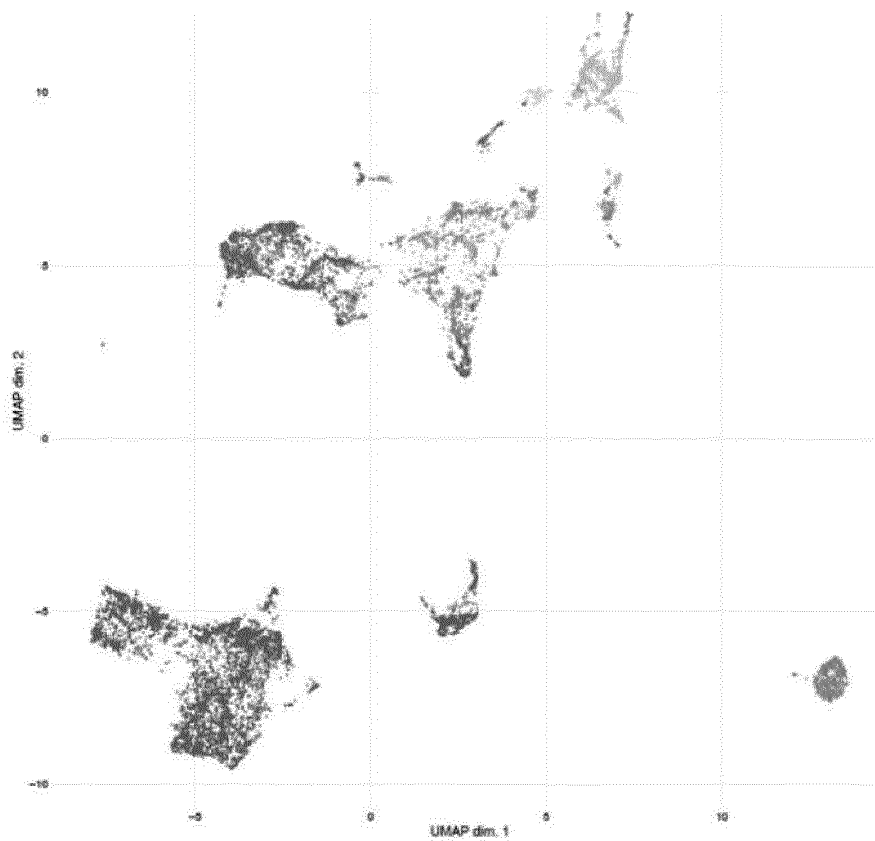
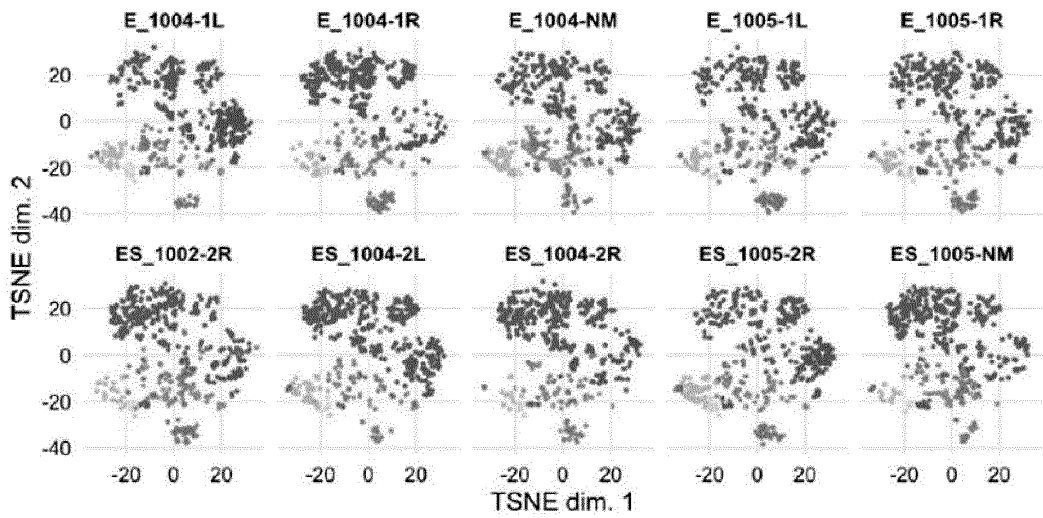
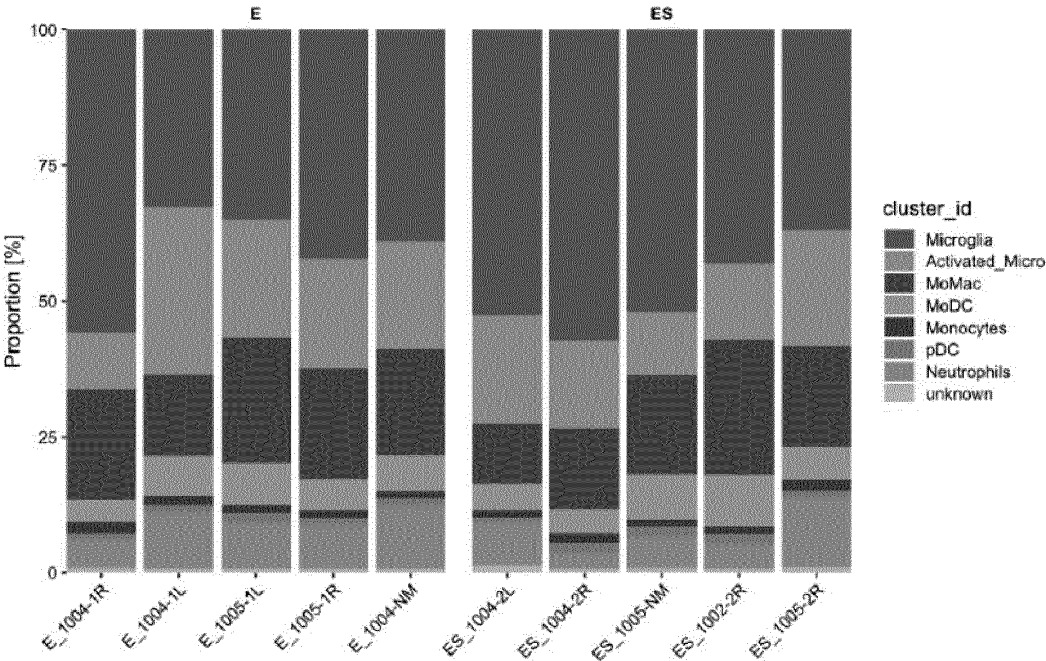


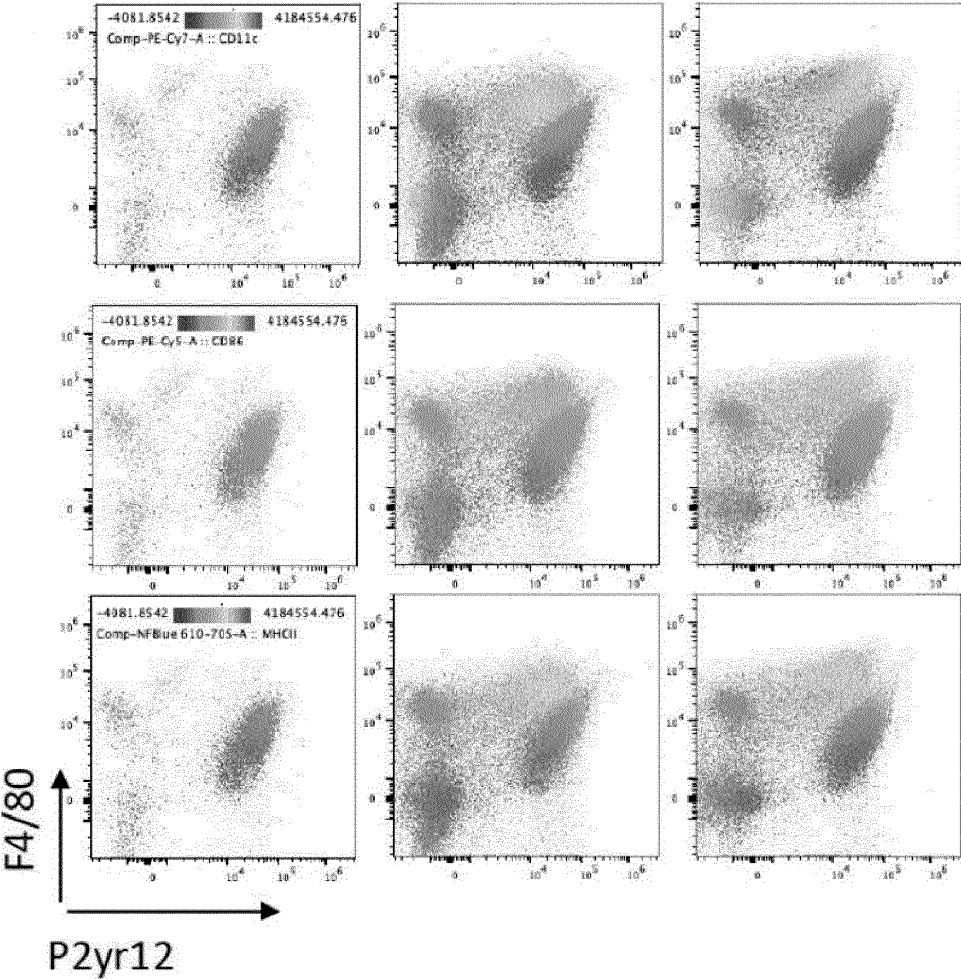
Figure 81



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Figure 82

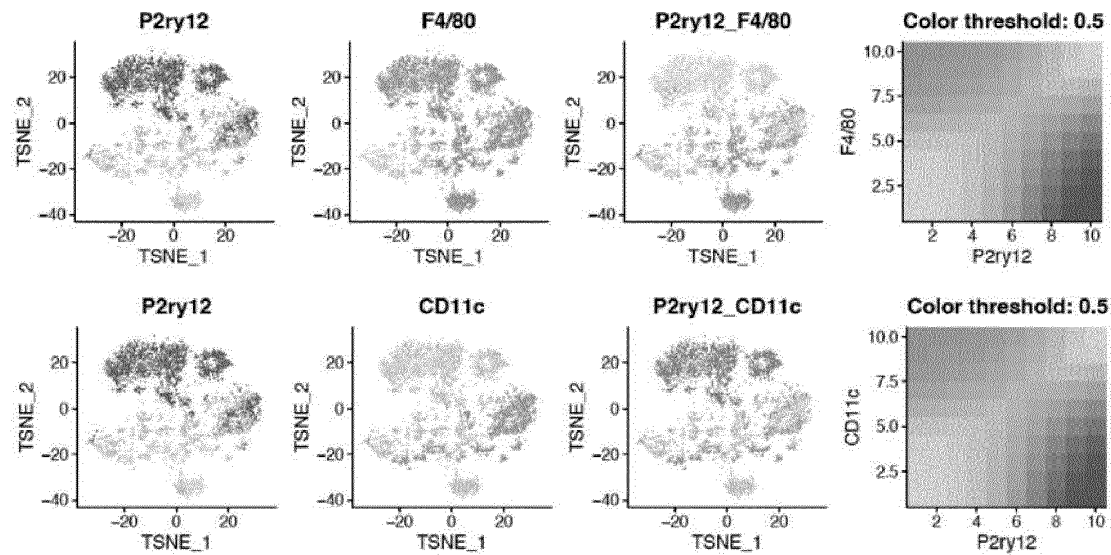


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Figure 83

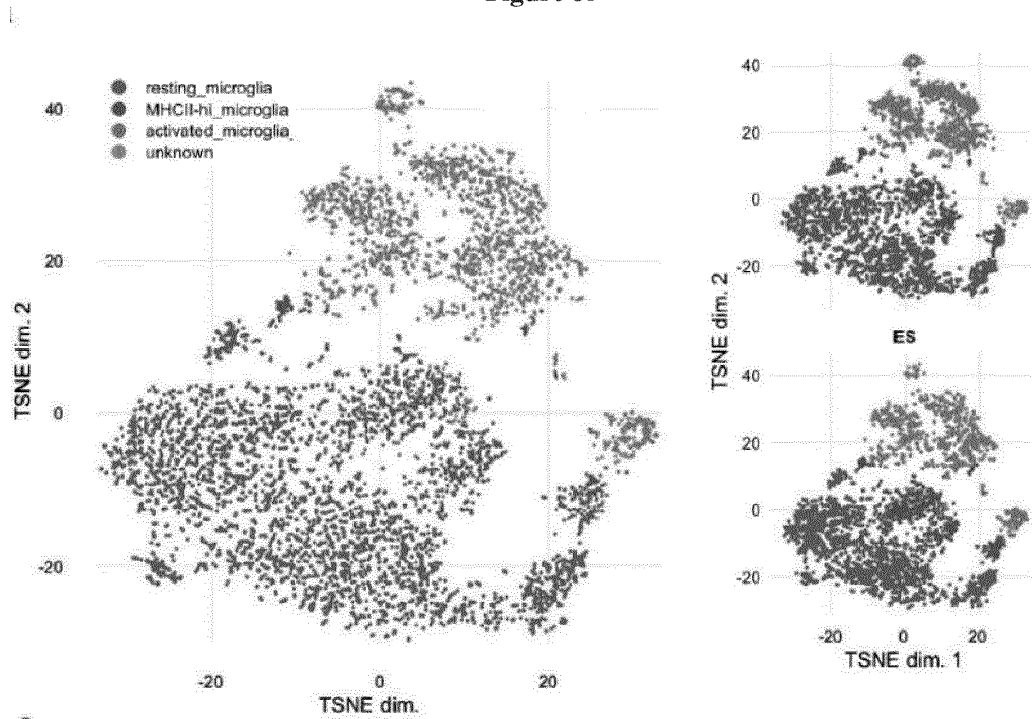


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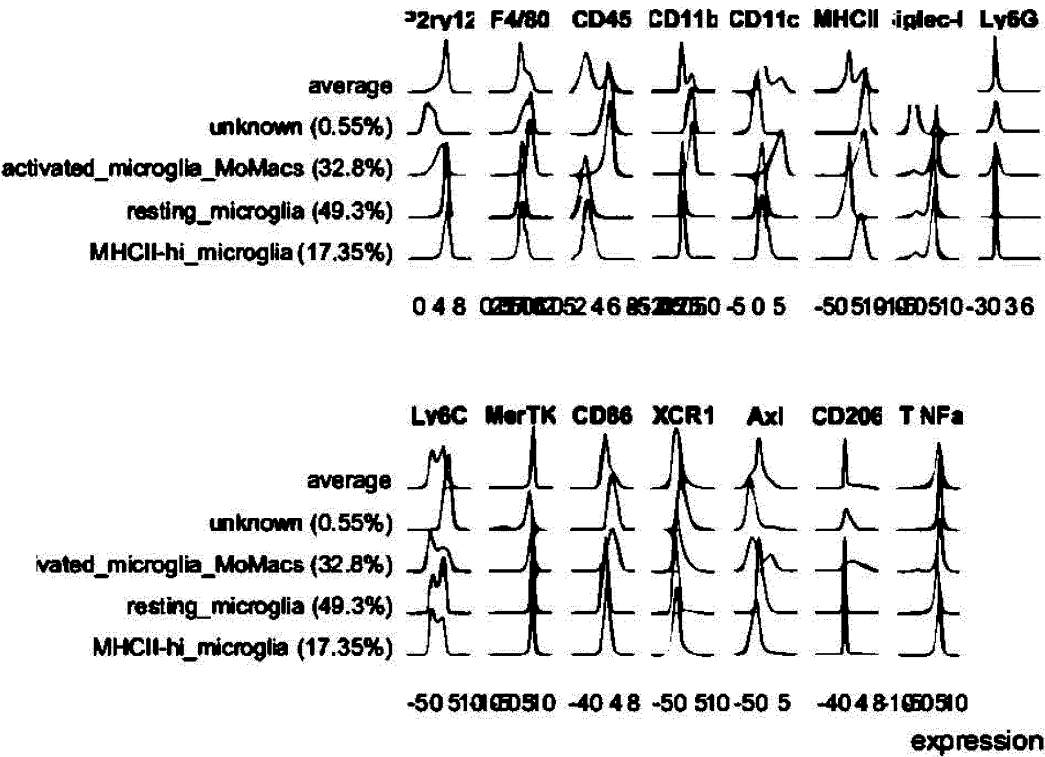
Figure 84



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Figure 85

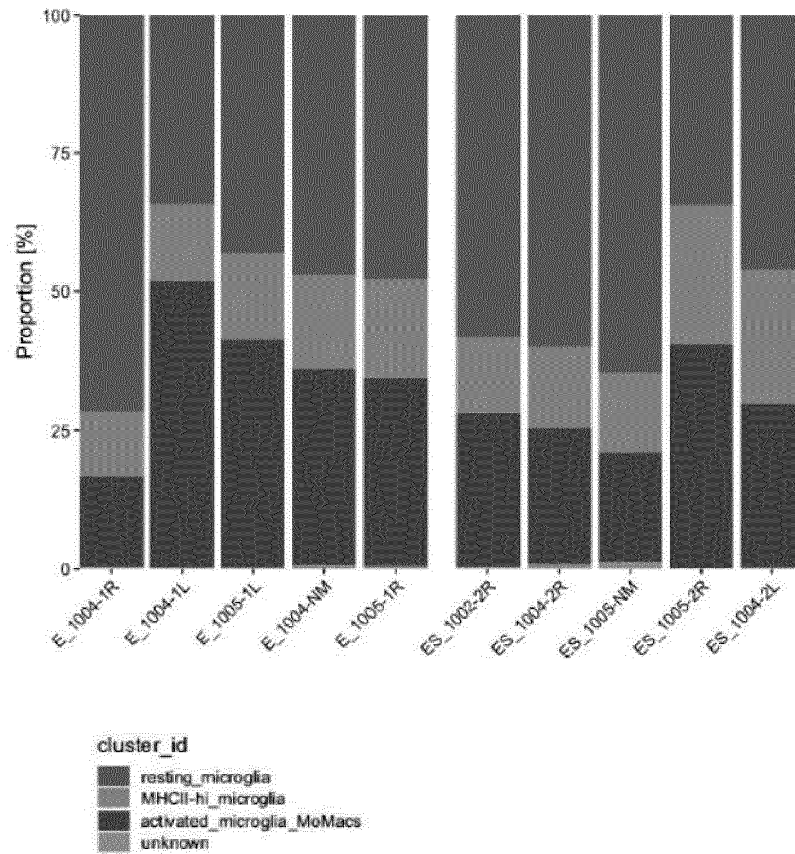


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Figure 86

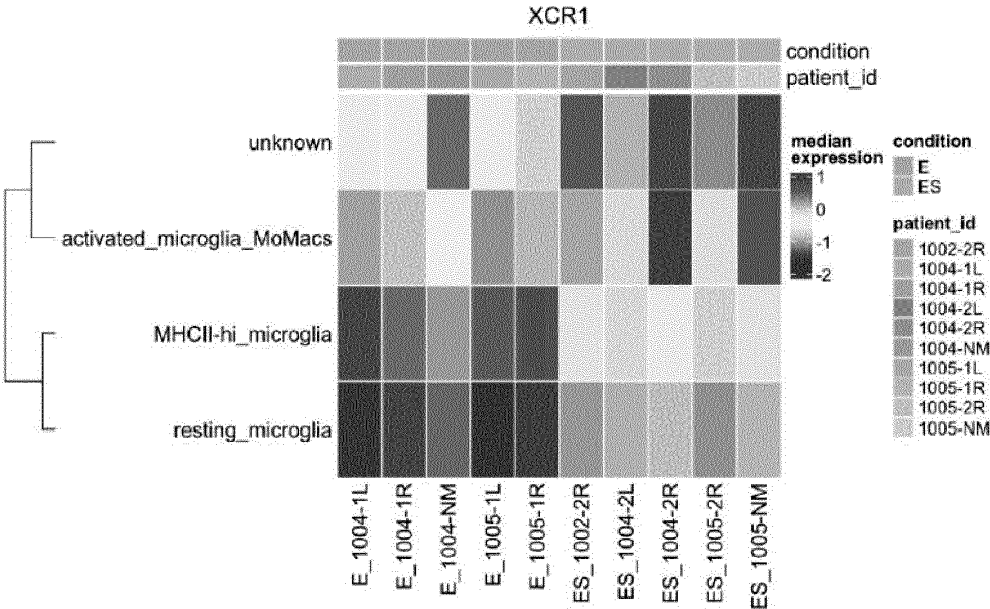


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Figure 87



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Figure 88



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Figure 89

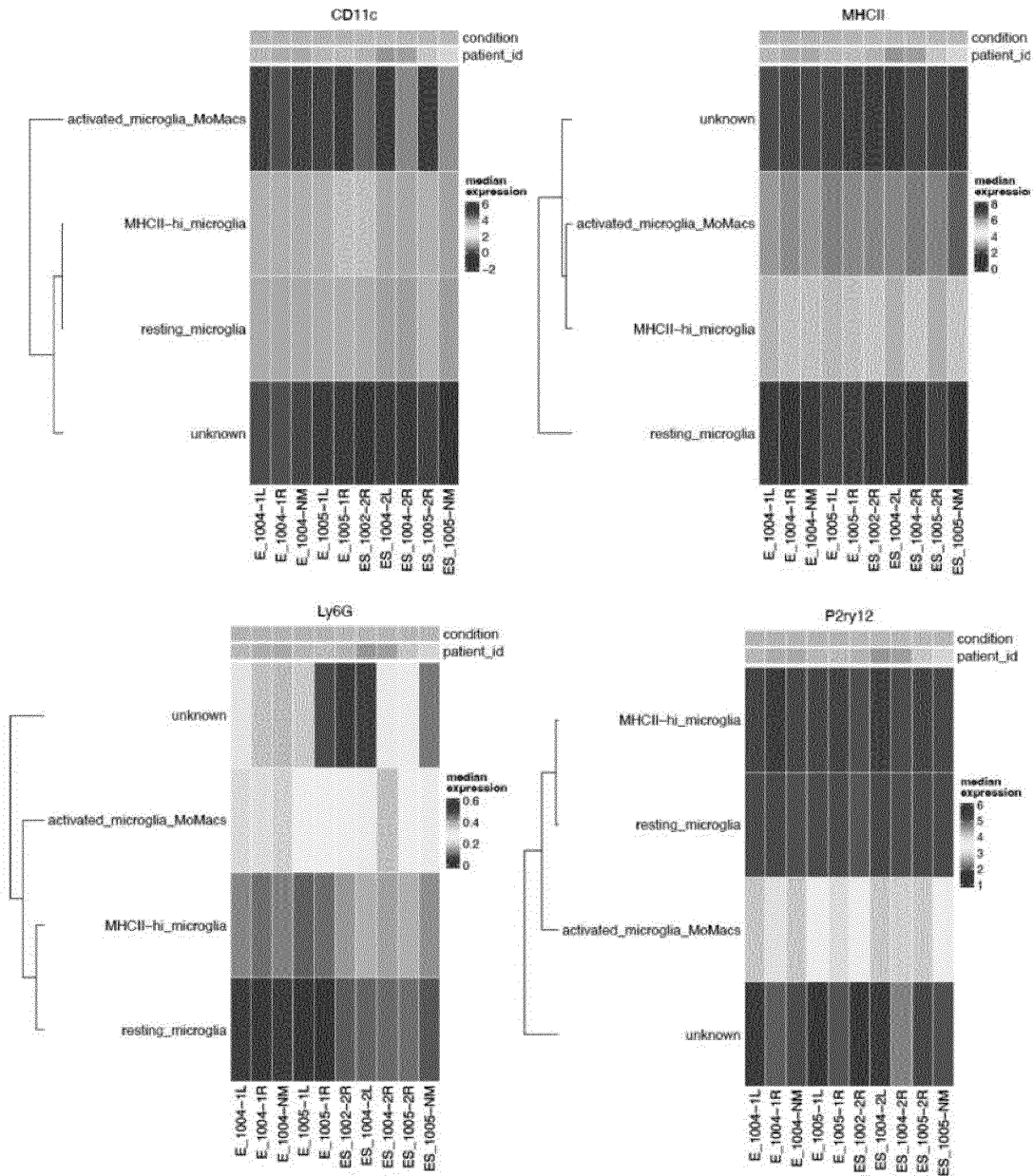


Figure 89 cont. (1)

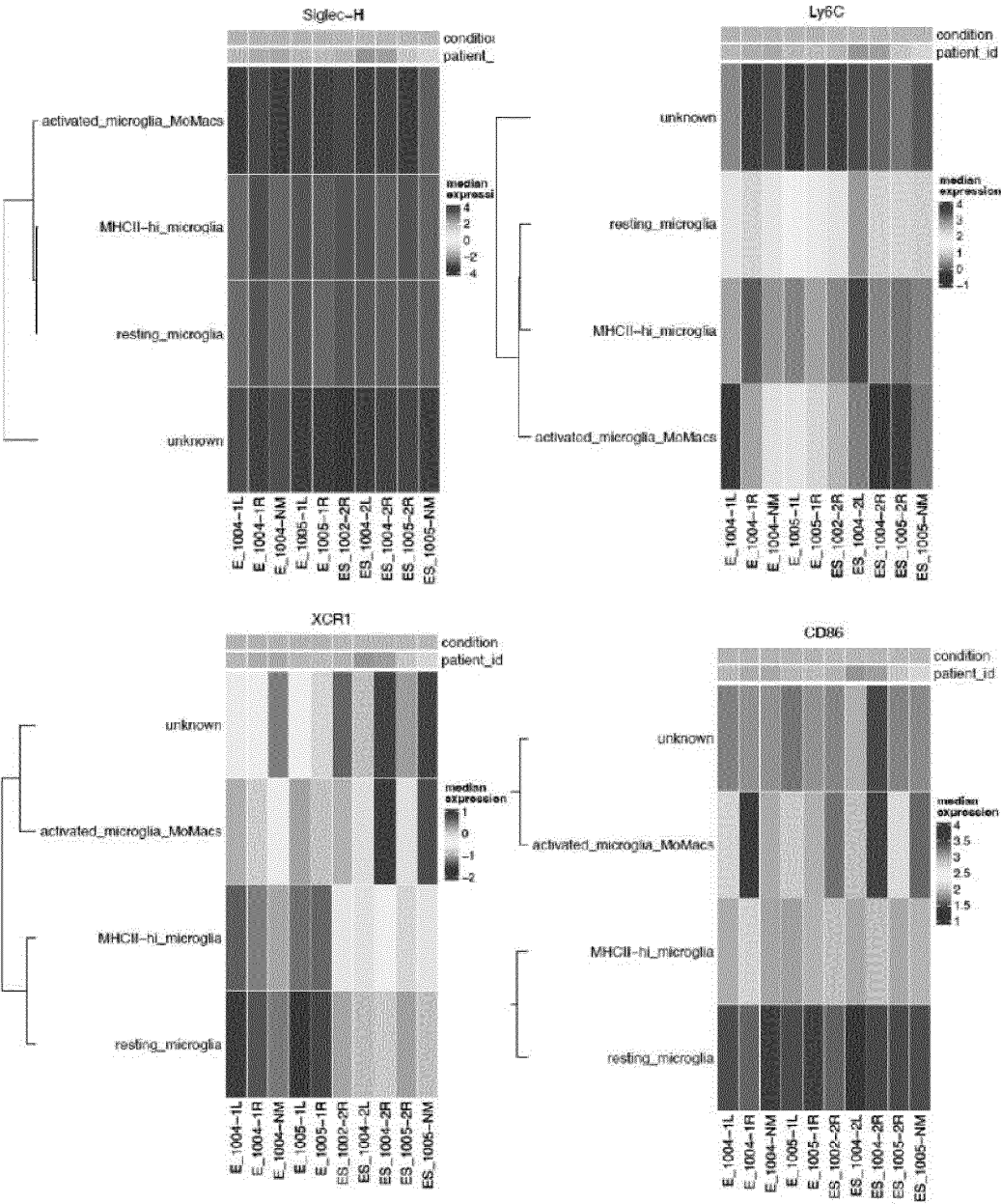


Figure 89 cont. (2)

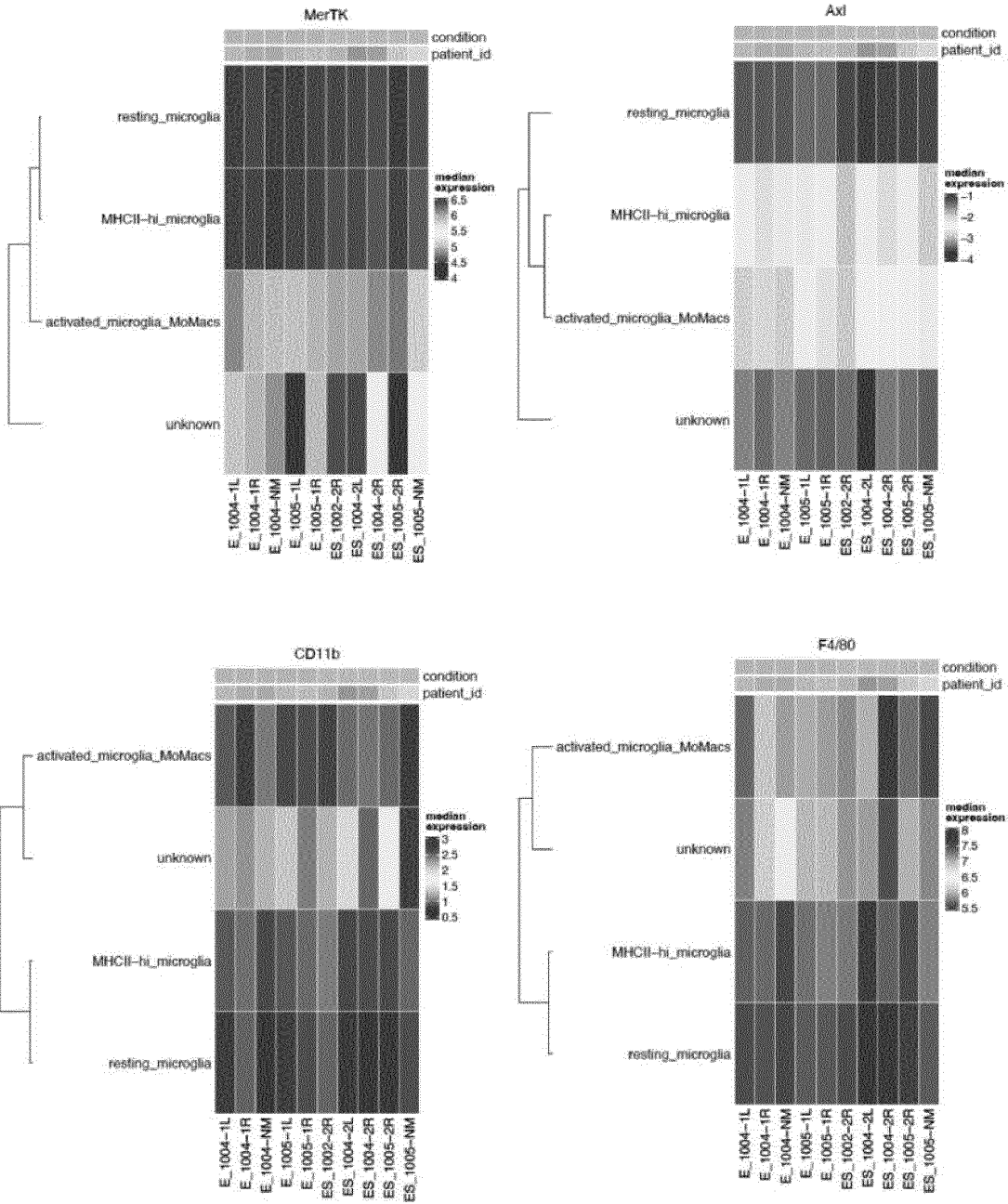
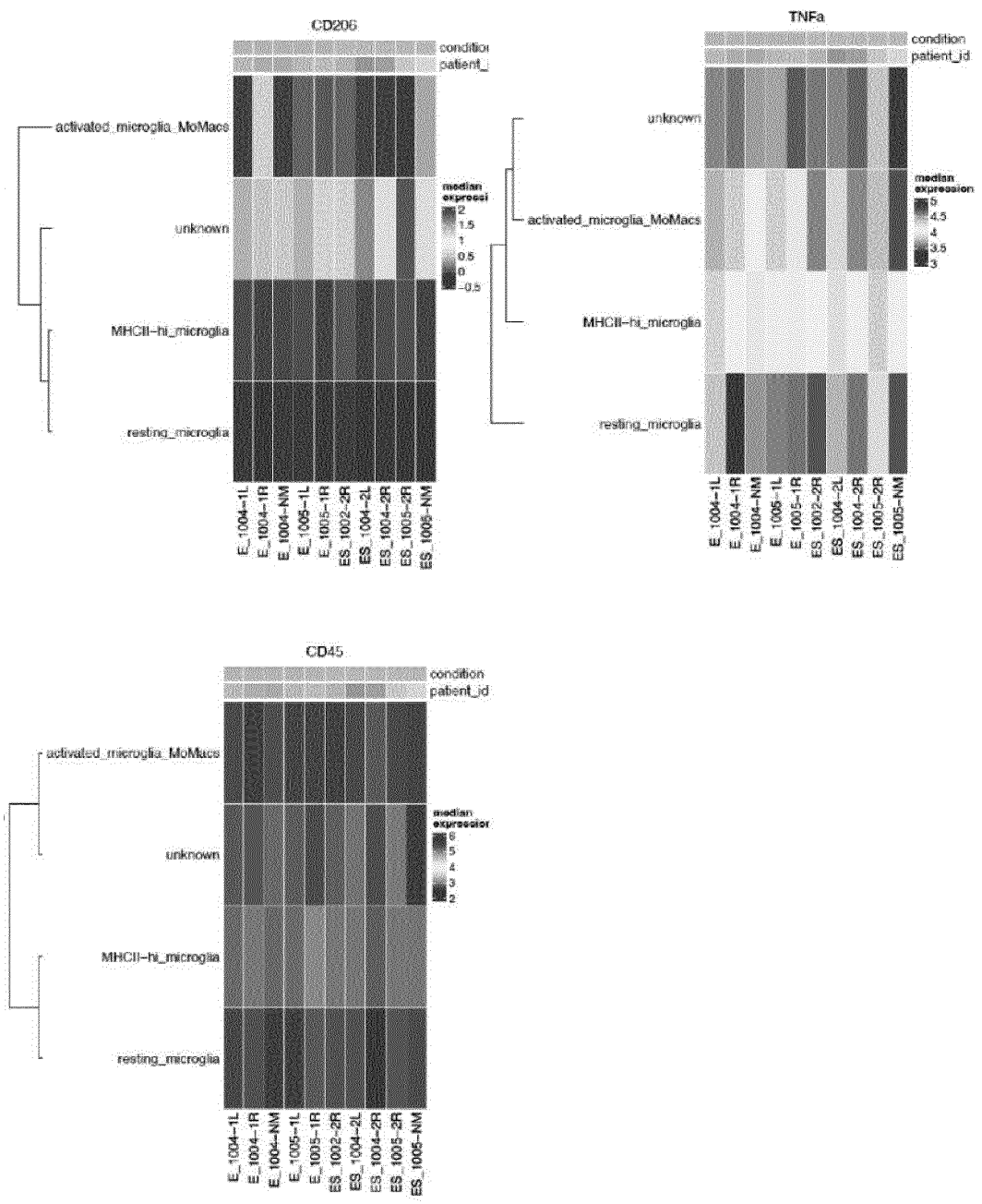
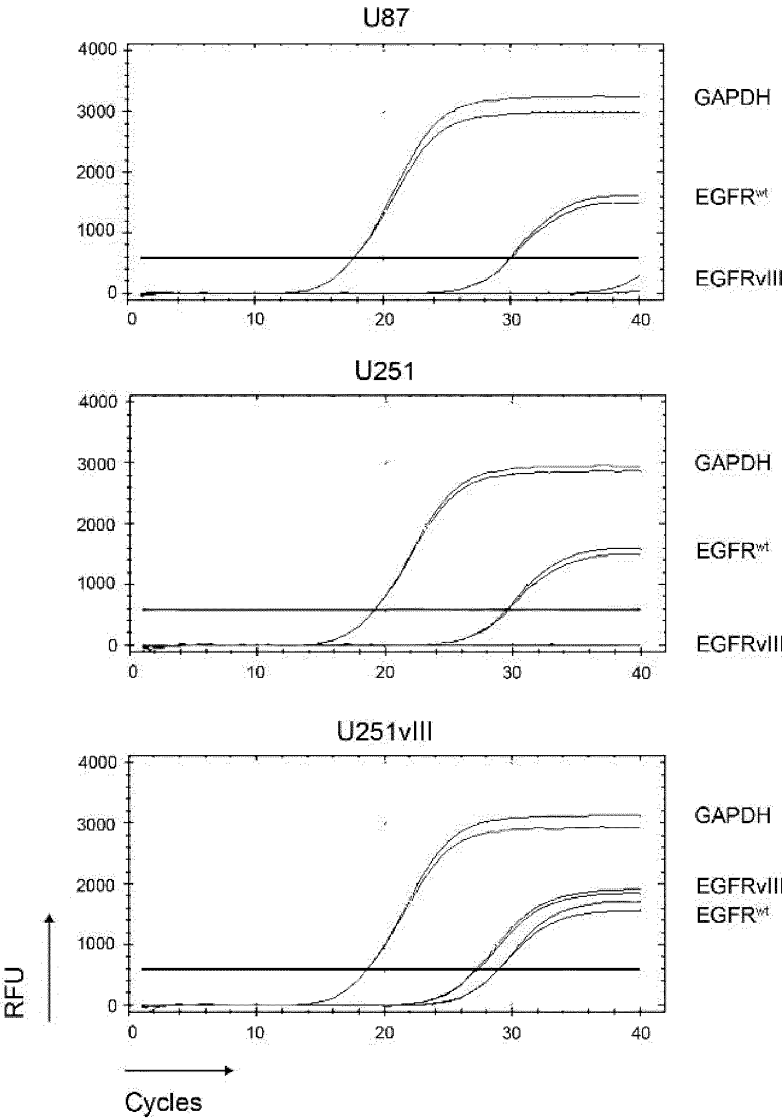


Figure 89 cont. (3)

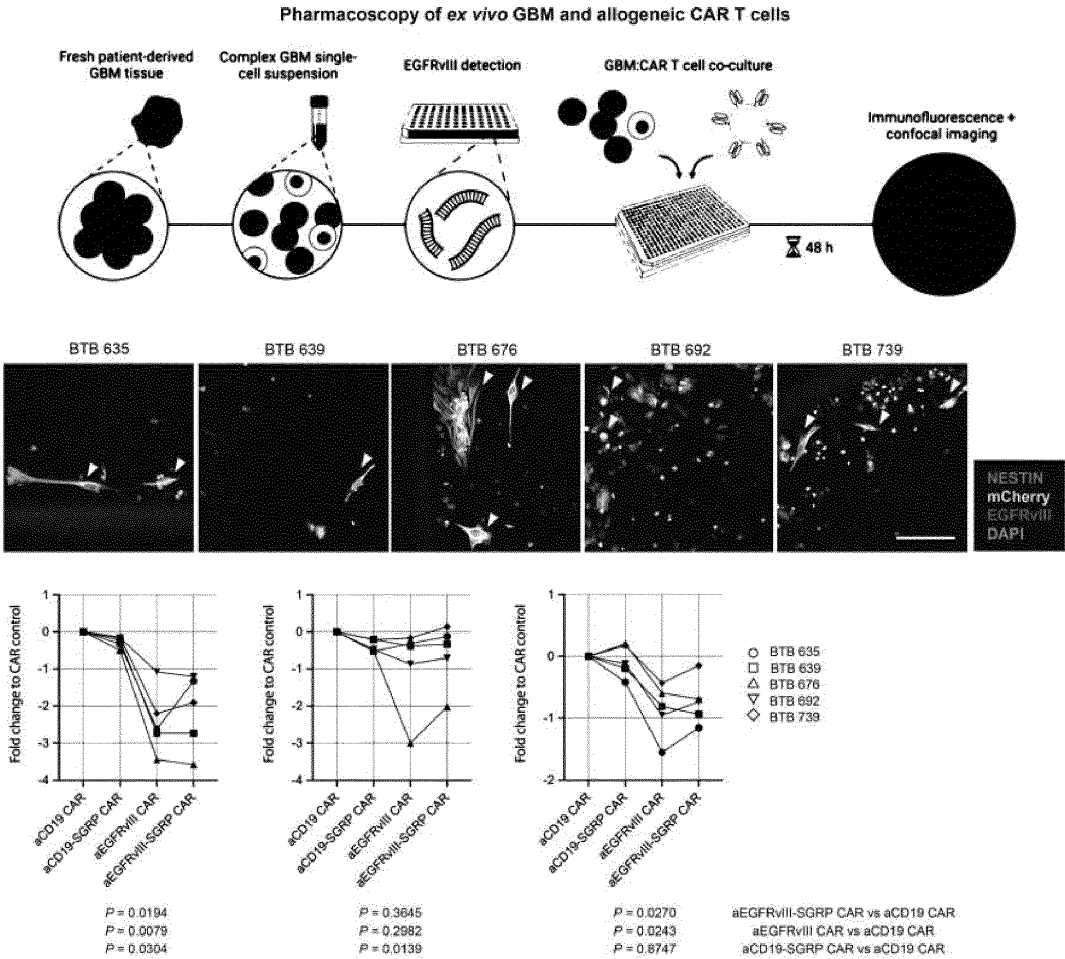


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Figure 90

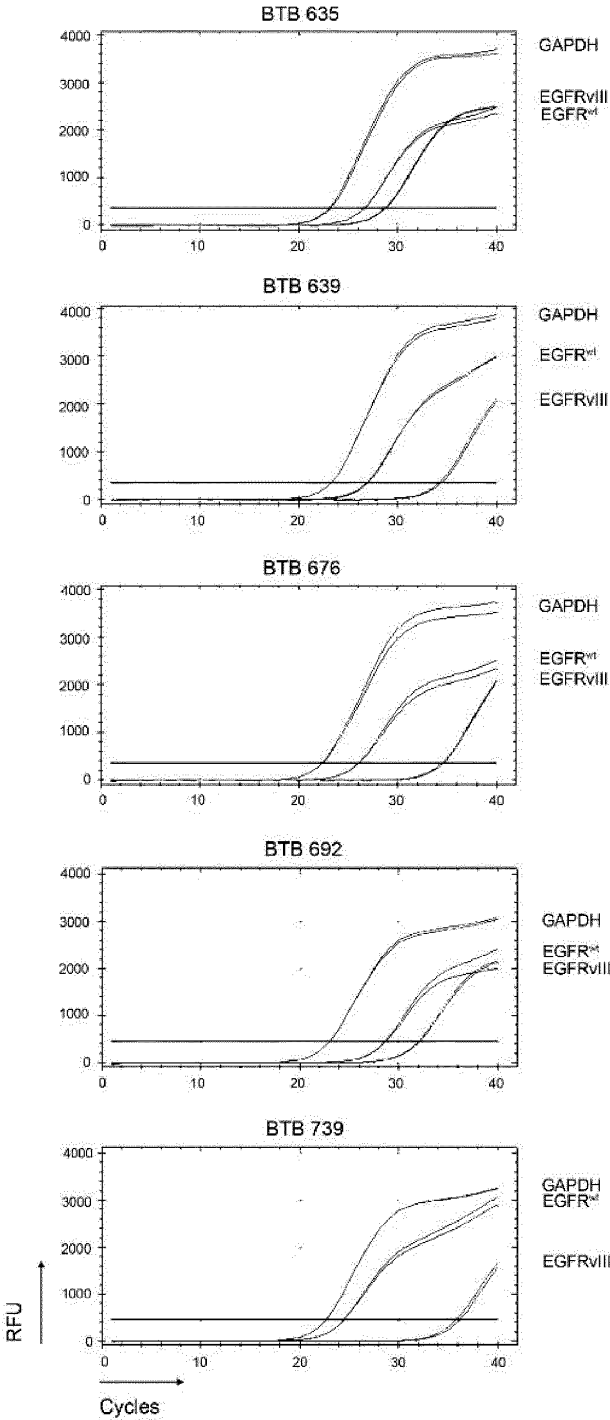


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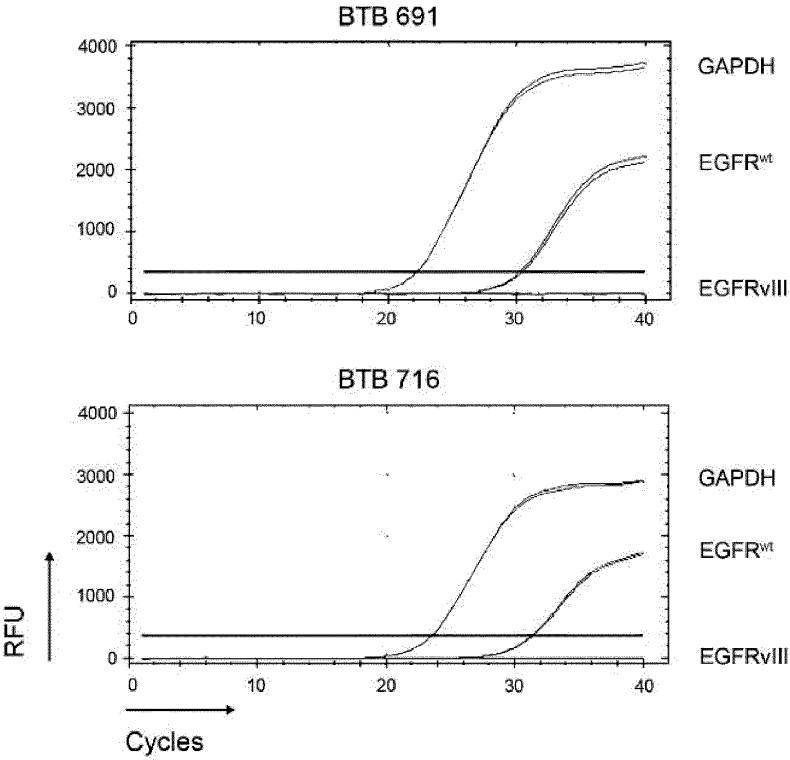
Figure 91



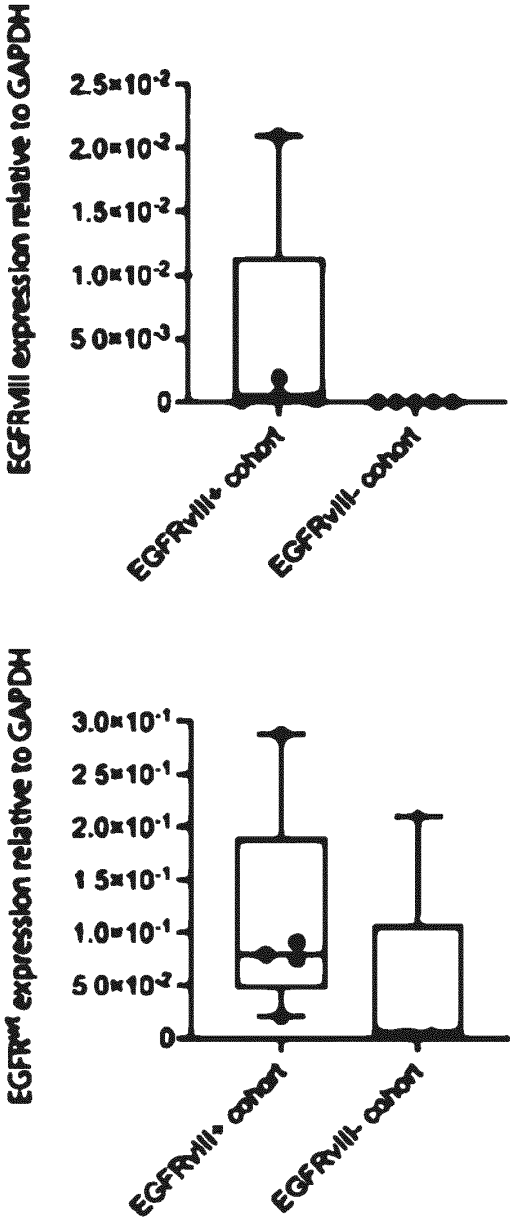
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Figure 92



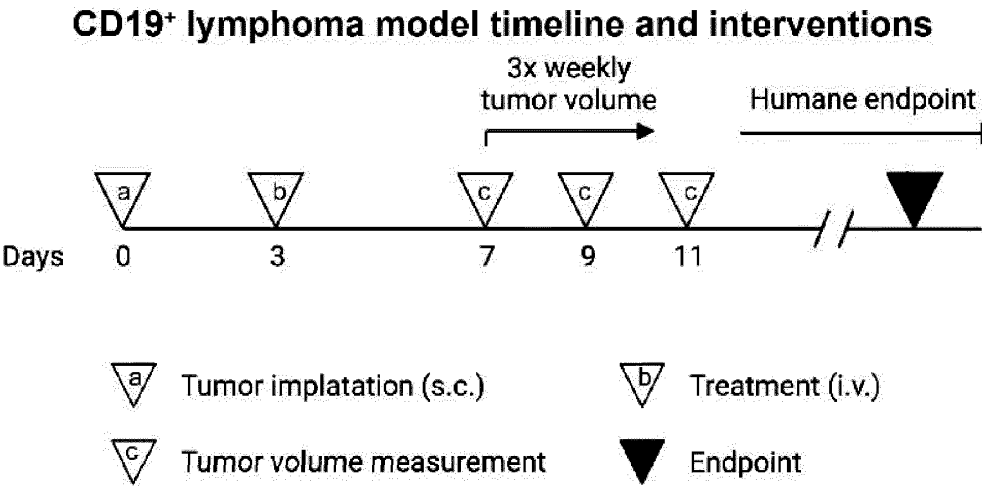
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Figure 93



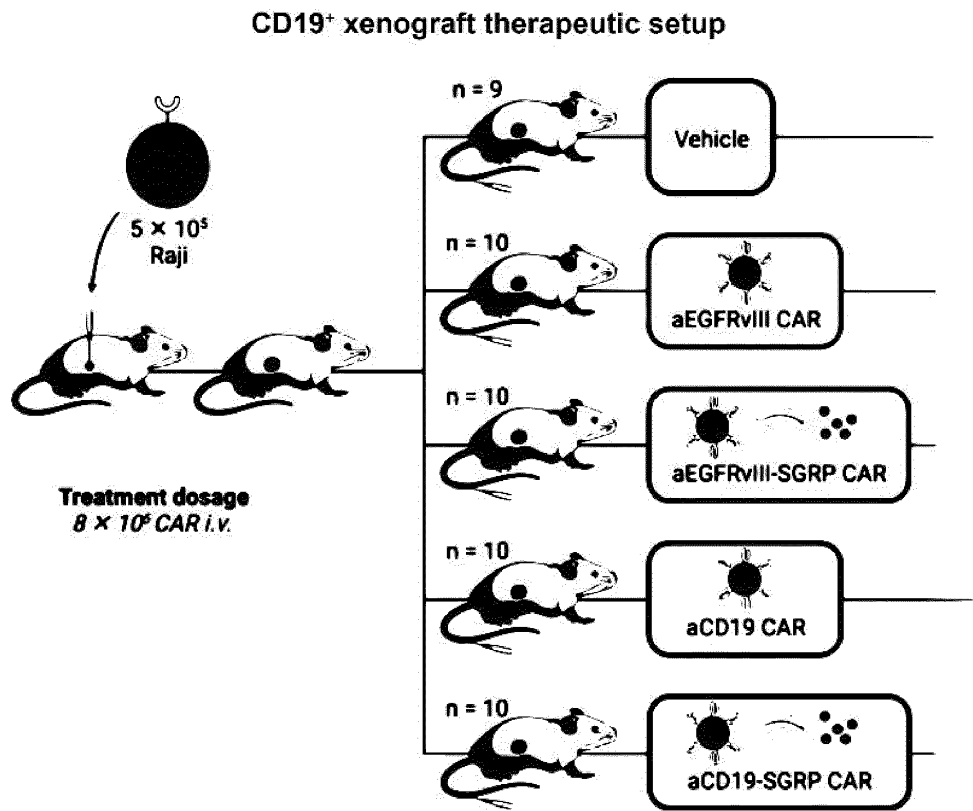
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Figure 94



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Figure 95

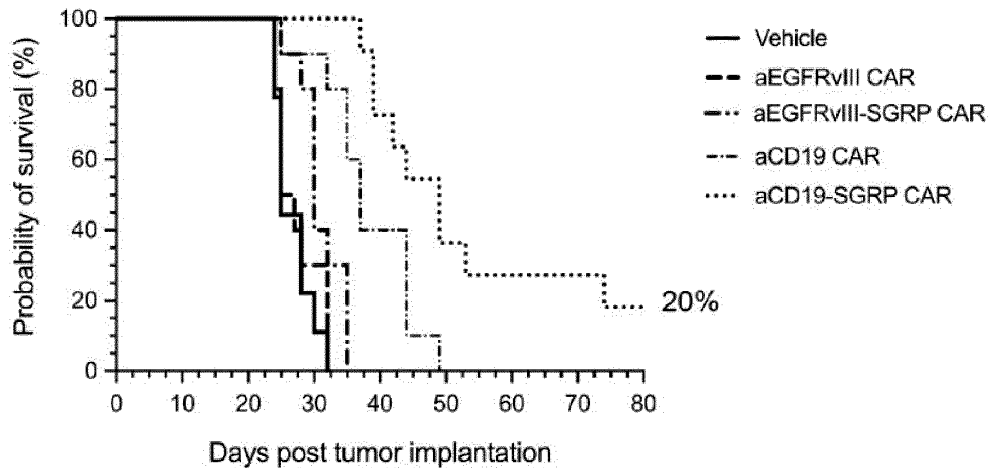


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Figure 96



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Figure 97



$P = 0.012$ aCD19-SGRP CAR vs aCD19 CAR
 $P = 0.0002$ aCD19 CAR vs aEGFRvIII CAR
 $P = 0.045$ aEGFRvIII-SGRP CAR vs aEGFRvIII CAR
 $P = 0.5668$ aEGFRvIII CAR vs Vehicle

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Figure 98

