

[Fig. 1A]



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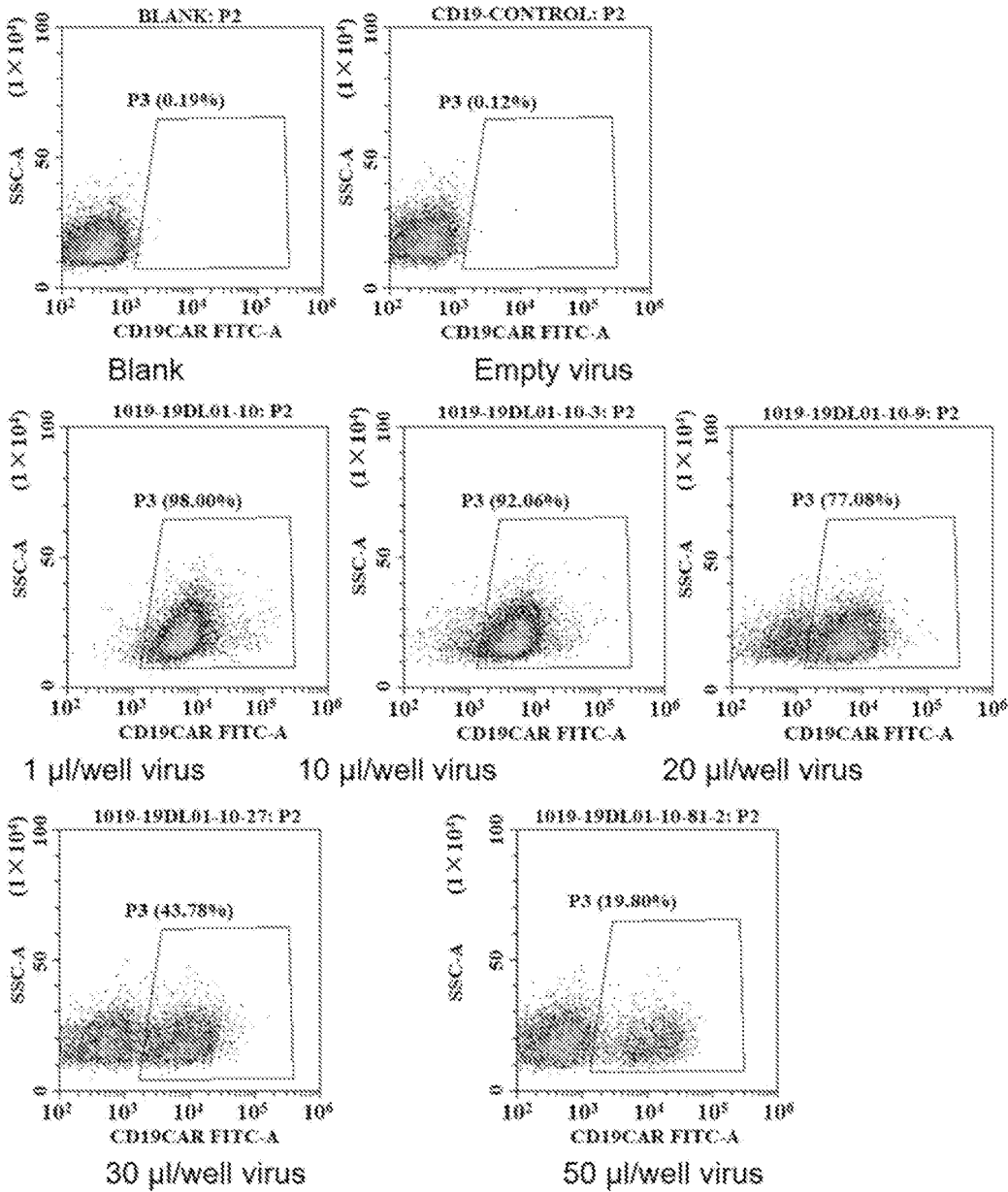
[Fig. 1B]



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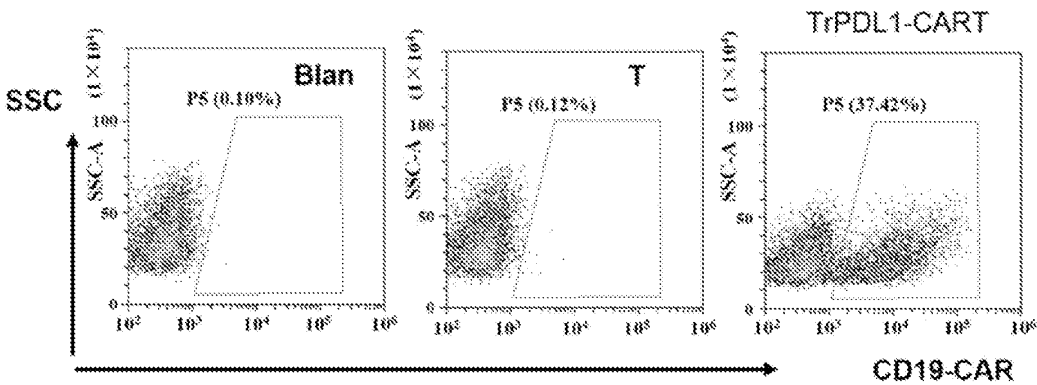
[Fig. 2]

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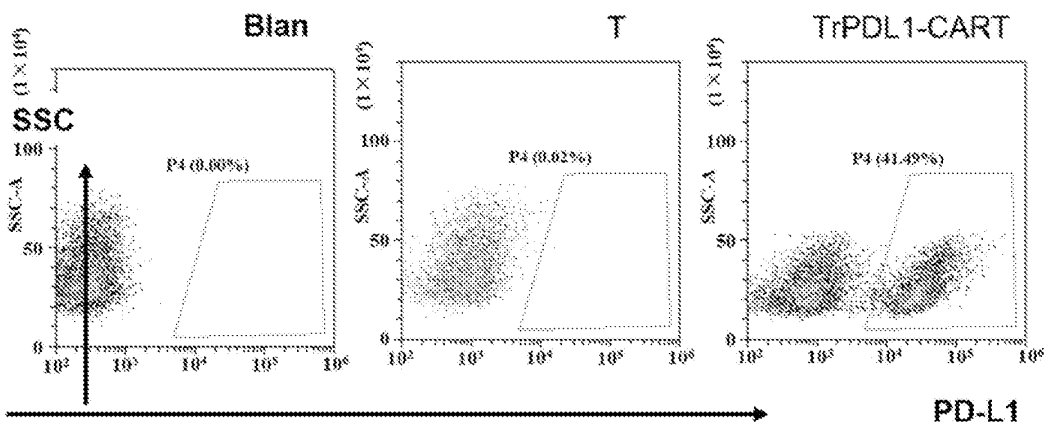
[Fig. 3A]

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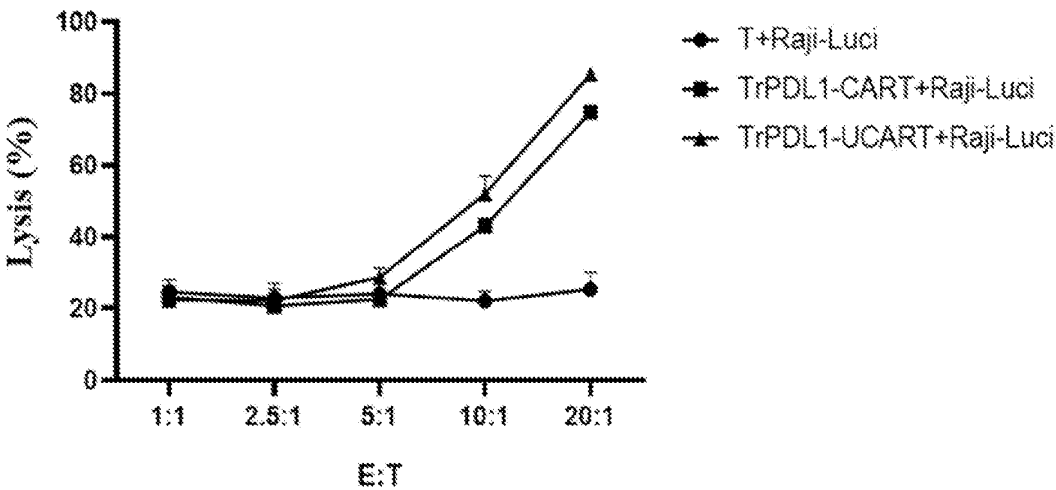
[Fig. 3B]

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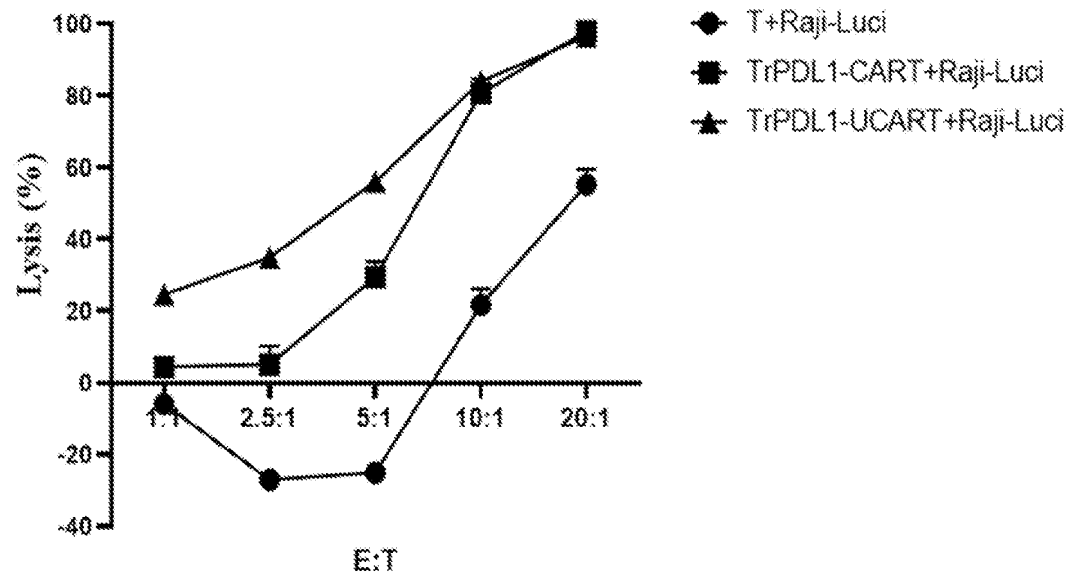


[Fig. 4A]

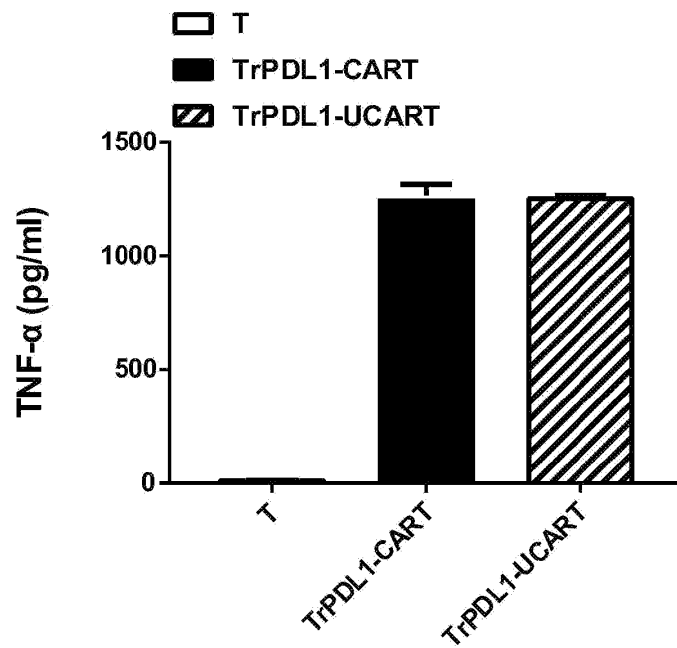
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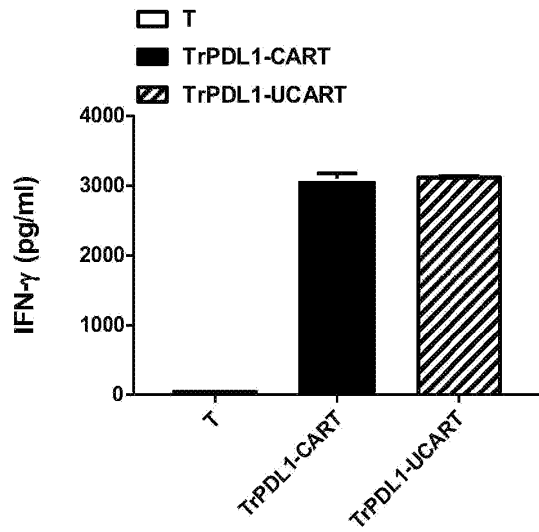
[Fig. 4B]

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[Fig. 5A]

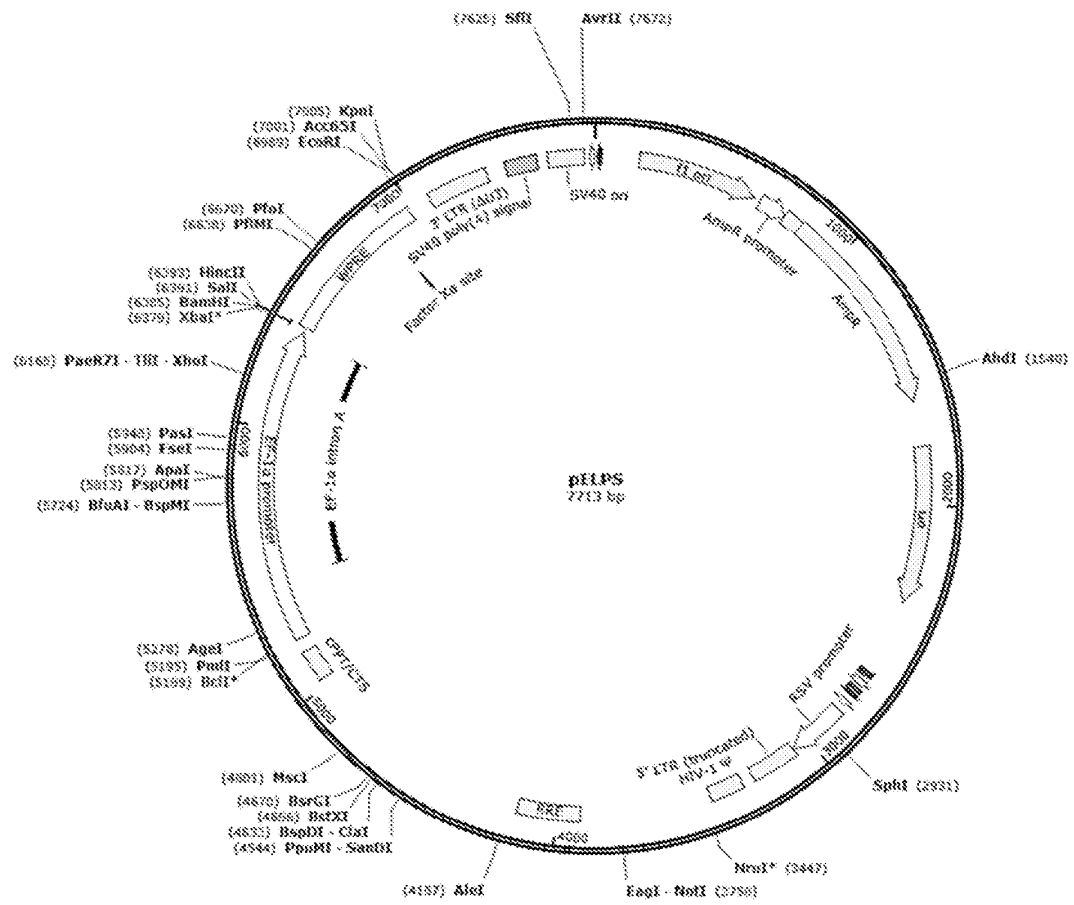
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[Fig. 5B]



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[Fig. 6]



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[Fig. 7]

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SEQ ID NO	Description	Sequence
1	PD-L1 intracellular domain	RLRKGRMMDVKKCGIQDTSKKQSDTHLEET
2	PD-L1 transmembrane domain	THLVILGAILLCLGVALTFIF
3	PD-L1 extracellular domain	FTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLAALIVYWEMEDKNIIQFVH GEEDLKVQHSSYRQRARLLKDQLSLGNAALQITDVKLQDAGVYRCMISYG GADYKRITVKVNAPYNKINQRILVDPVTSEHELTCQAEGYPKAEVIWTSSD HQVLSGKTTTTNSKREEKLFNVTSTLRINTTTNEIFYCTFRRLDPEENHTAEL VIPPLAHPPNER
4	PD-L1 signal peptide	RIFAVFIFMTYWHLLNA
5	PD-L1 transmembrane domain and intracellular domain	THLVILGAILLCLGVALTFIFRLRKGRMMDVKKCGIQDTSKKQSDTHLEET
6	conserved sequence in 2A peptides	GDVEXNPGP, X can be any amino acid residue
7	Truncated PD-L1 with extracellular domain and transmembrane domain	FTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLAALIVYWEMEDKNIIQFVH GEEDLKVQHSSYRQRARLLKDQLSLGNAALQITDVKLQDAGVYRCMISYG GADYKRITVKVNAPYNKINQRILVDPVTSEHELTCQAEGYPKAEVIWTSSD HQVLSGKTTTTNSKREEKLFNVTSTLRINTTTNEIFYCTFRRLDPEENHTAEL VIPPLAHPPNER
8	Truncated PD-L1 with extracellular domain and transmembrane domain, with signal peptide	RIFAVFIFMTYWHLLNAFTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLAAL IVYWEMEDKNIIQFVHGEEDLKVQHSSYRQRARLLKDQLSLGNAALQITDV KLQDAGVYRCMISYGGADYKRITVKVNAPYNKINQRILVDPVTSEHELTC QAEGYPKAEVIWTSSDHQVLSGKTTTTNSKREEKLFNVTSTLRINTTTNEIFY CTFRRLDPEENHTAELVIPPLAHPPNER
9	F2A	GSGVKQTLNFDLLKLAGDVESNPGP
10	PD-L1 extracellular domain with signal peptide	RIFAVFIFMTYWHLLNAFTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLAAL IVYWEMEDKNIIQFVHGEEDLKVQHSSYRQRARLLKDQLSLGNAALQITDV KLQDAGVYRCMISYGGADYKRITVKVNAPYNKINQRILVDPVTSEHELTC QAEGYPKAEVIWTSSDHQVLSGKTTTTNSKREEKLFNVTSTLRINTTTNEIFY CTFRRLDPEENHTAELVIPPLAHPPNER
11	PD-L1 full length without signal peptide	FTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLAALIVYWEMEDKNIIQFVH GEEDLKVQHSSYRQRARLLKDQLSLGNAALQITDVKLQDAGVYRCMISYG GADYKRITVKVNAPYNKINQRILVDPVTSEHELTCQAEGYPKAEVIWTSSD HQVLSGKTTTTNSKREEKLFNVTSTLRINTTTNEIFYCTFRRLDPEENHTAEL VIPPLAHPPNER
12	PD-L1 full length with signal peptide	MRIFAVFIFMTYWHLLNAFTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLAA LIVYWEMEDKNIIQFVHGEEDLKVQHSSYRQRARLLKDQLSLGNAALQITDV KLQDAGVYRCMISYGGADYKRITVKVNAPYNKINQRILVDPVTSEHELTC QAEGYPKAEVIWTSSDHQVLSGKTTTTNSKREEKLFNVTSTLRINTTTNEIFY CTFRRLDPEENHTAELVIPPLAHPPNER
13	Nucleic acid encoding full-length PD-L1 with signal peptide	ATGAGGATATTGCTGTCTTTATATTCATGACCTACTGGCATTGCTGAACG CATTTACTGTCACGGTCCCAAGGACCTATATGTGGTAGAGTATGGTAGCA ATATGACAATTGAATGCAAATCCAGTAGAAAAACAATTAGACCTGGCT GCACTAATTGTCTATTGGGAAATGGAGGATAAGAACATTATTCAATTGTG CATGGAGAGGAAGACCTGAAGGTTACGCATAGTAGCTACAGACAGAGGG CCCGGCTGTTGAAGGACAGCTCCTCCCTGGGAAATGCTGCACCTCAGATC ACAGATGTGAAATTGCAGGATGCAGGGGTGTAACCGCTGCATGACATACA TGGTGGTGCCGACTACAAGCGAATTACTGTGAAAGTCAATGCCCATACA ACAAAATCAACCAAAGAATTTTGGTTGTGGATCCAGTCACCTCTGAACAT GAAGTGCATGTACAGGCTGAGGGCTACCCCAAGGCCGAAGTCATCTGGA CAAGCAGTGACCATCAAGTCCTGAGTGGTAAGACCACCACCAATTC AAGAGAGAGGAGAAGCTTTCAATGTGACAGCACACTGAGAATCAACA CAACAATAATGAGATTTTCTACTGCACCTTTAGGAGATTAGATCTGAGG AAAACCATACAGCTGAATTGGTCATCCAGAACTACCTCTGGCACATCCT CCAAATGAAAGGACTCACTTGGTAATTCTGGGAGCCATCTTATTATGCCTT GGGTAGCACTGACATTCATCTTCCGTTTAAAGAAAAGGAAGATGATGGA TGTGAAAAAATGTGGCATCCAAGATACAACTCAAAGAAGCAAAGTGAT ACACATTTGGAGGAGACGTAA
14	Nucleic acid encoding Truncated PD-L1 with extracellular domain and transmembrane domain with signal	AGGATATTGCTGTCTTTATATTCATGACCTACTGGCATTGCTGAACGCAT TTACTGTCACGGTCCCAAGGACCTATATGTGGTAGAGTATGGTAGCAATA TGACAATTGAATGCAAATCCAGTAGAAAAACAATTAGACCTGGCTGCA CTAATTGTCATTGGGAAATGGAGGATAAGAACATTATTCAATTGTGCAT GGAGAGGAAGACCTGAAGGTTACGCATAGTAGCTACAGACAGAGGGCCC

	peptide	GGCTGTTGAAGGACCAGCTCTCCCTGGGAAATGCTGCACTTCAGATCACAGATGTGAAATTGCAGGATGCAGGGGTGTACCGCTGCATGATCAGCTATGGTGGTGCCGACTACAAGCGAATTACTGTGAAAGTCAATGCCCCATACAACAATCAACCAAAAGAATTTTGGTTGTGGATCCAGTCACTCTGACATGAACTGACATGTCAAGGCTGAGGGCTACCCCAAGGCCGAAGTCATCTGGACAA GCAGTGACCATCAAGTCCTGAGTGGTAAGACCACCACCACCAATTCCAAGAGAGAGGAGAAGCTTTTCAATGTGACCAGCACACTGAGAATCAACACAA CAACTAATGAGATTTTCTACTGCACCTTTAGGAGATTAGATCTGAGGAAA ACCATACAGCTGAATTGGTTCATCCAGAAGTCTCTGGCAGCATCTCCAA ATGAAAGGACTCACTTGGTAATTCTGGGAGCCATCTTATTATGCCTTGGTG TAGCACTGACATTCATCTTCTAA
15	Nucleotide sequence encoding P2A	GGAAGCGGAGCTACTAAGCTTACGCTGTGTAAGCAGGCTGGAGACGTGGAGGAAACCTTGGACCT
16	P2A amino acid sequence	SGSATNFSLLKQAGDVEENPGP
17	P2A fused with Truncated PD-L1 with extracellular domain and transmembrane domain	SGSATNFSLLKQAGDVEENPGPRIFAVFIFMTYWHLLNAFTVTVPKDLVVVE YGSNMTIECKFPVEKQLDLAALIVYWEMEDKNIIQFVHGEEDLKVQHSSYR QRARLLKDQLSLGNAALQITDVKLQDAGVYRCMISYGGADYKRITVKVNA PYNKINQIRILVDPVTSEHILTCQAEQYPAEVIWTSDDHQLVSGKTTTTNS KREEKLFNVTSLRINTTTNEIFYCTFRRLDPEENHTAELVIPELPLAHPNER THLVILGAILLCLGVALTFF
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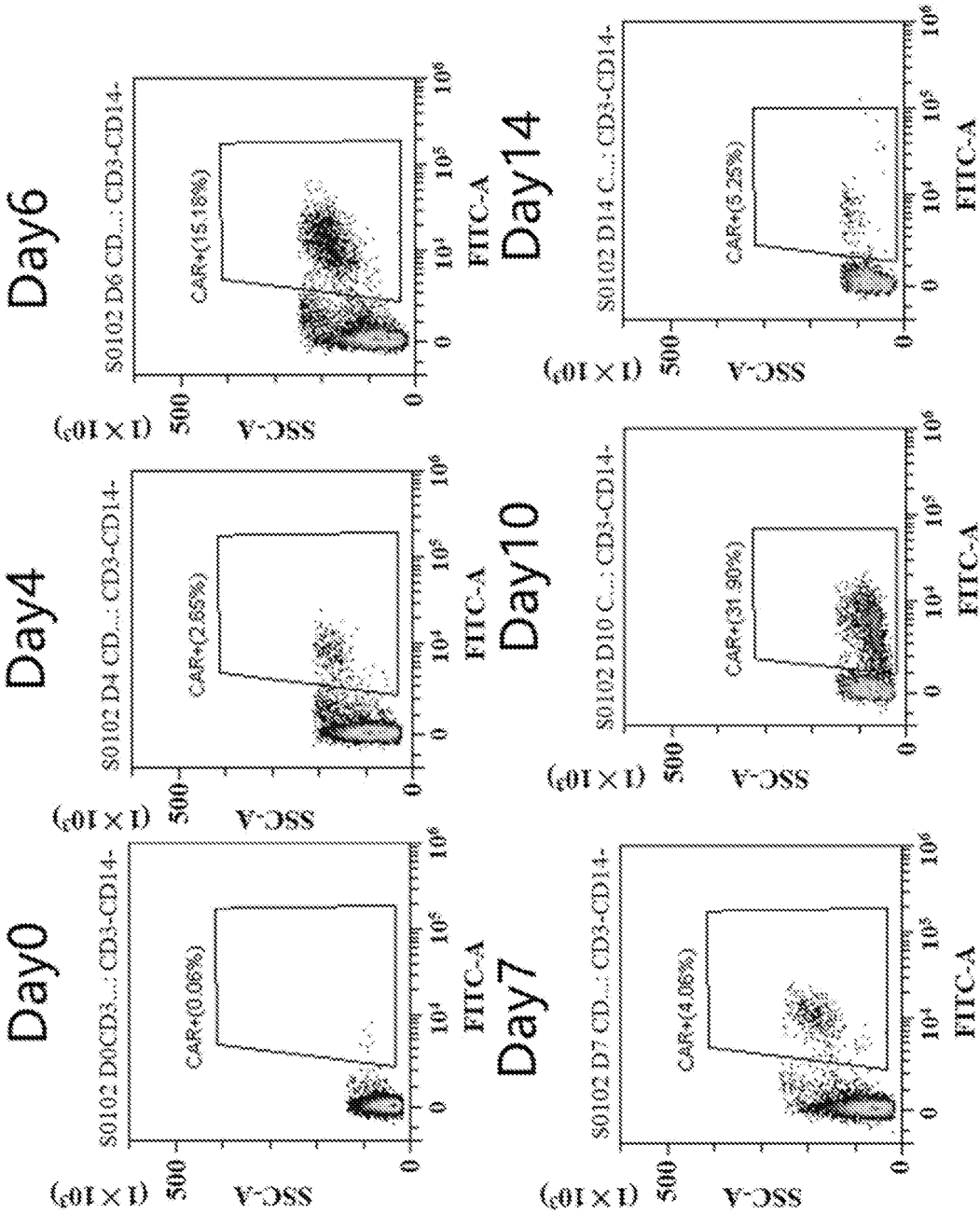
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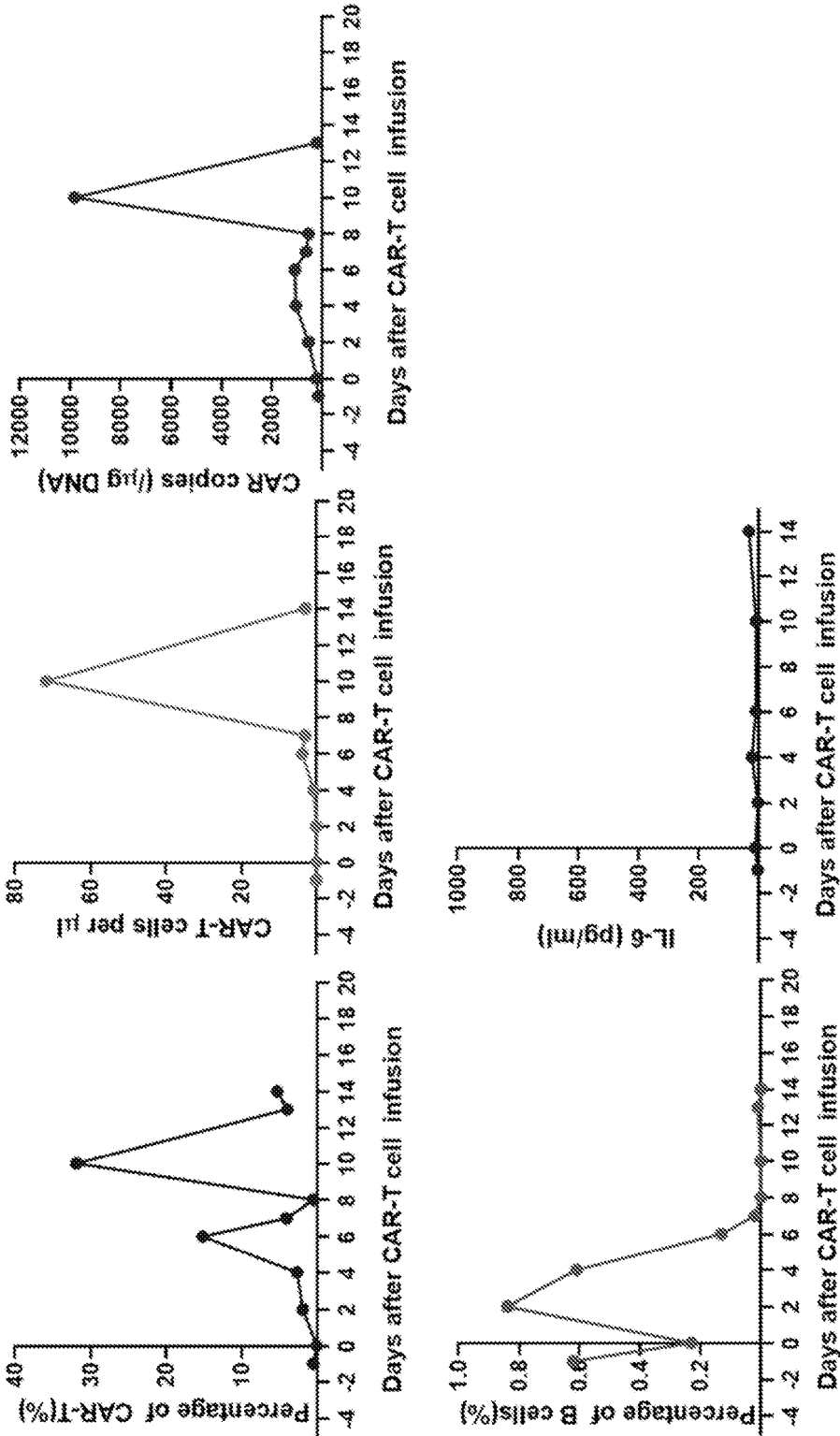
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70	genomic region of TRAC	ATATCCAGAACCCTGACCCTGCCGTGTACCAGCTGAGAGACTCTAAATCC AGTGACAAGTCTGTCTGCCTATTCACCGATTTTGATTCTCAAACAAATGTG TCACAAAGTAAGGATTCTGATGTGTATATCACAGACAAAACCTGTGCTAGA CATGAGGTCTATGGACTTCAAGAGCAACAGTGCTGTGGCCTGGAGCAAC AAATCTGACTTTGCATGTGCAAAACGCCTTCAACAACAGCATTATTCCAGA AGACACCTTCTTCCCCAGCCCAGAAAGTTCCTGTGATGTCAAGCTGGTCCG AGAAAAGCTTTGAAACAGATACGAACCTAAACTTTCAAAACCTGTCAGT GATTGGGTTCGGAATCCTCCTCTGAAAGTGGCCGGGTTTAATCTGCTCAT GACGCTGCGGCTGTGGTCCAGCTGA
71	T2A peptide	GSGEGRGSLLTCGDVEENPGP
72	E2A peptide	GSGQCTNYALLKLAGDVESNPGP

[Fig. 8A]

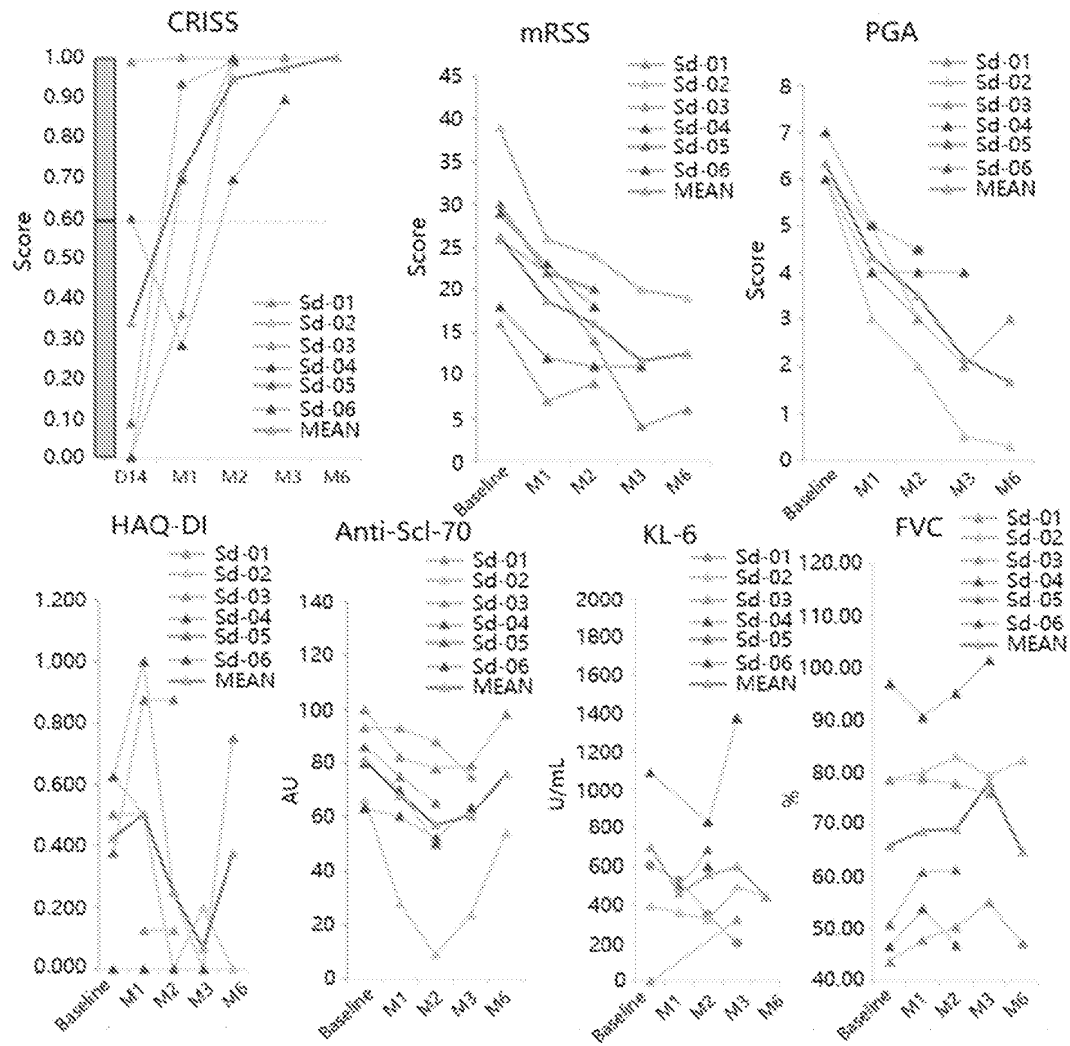
Rule 26,
16.10.2024



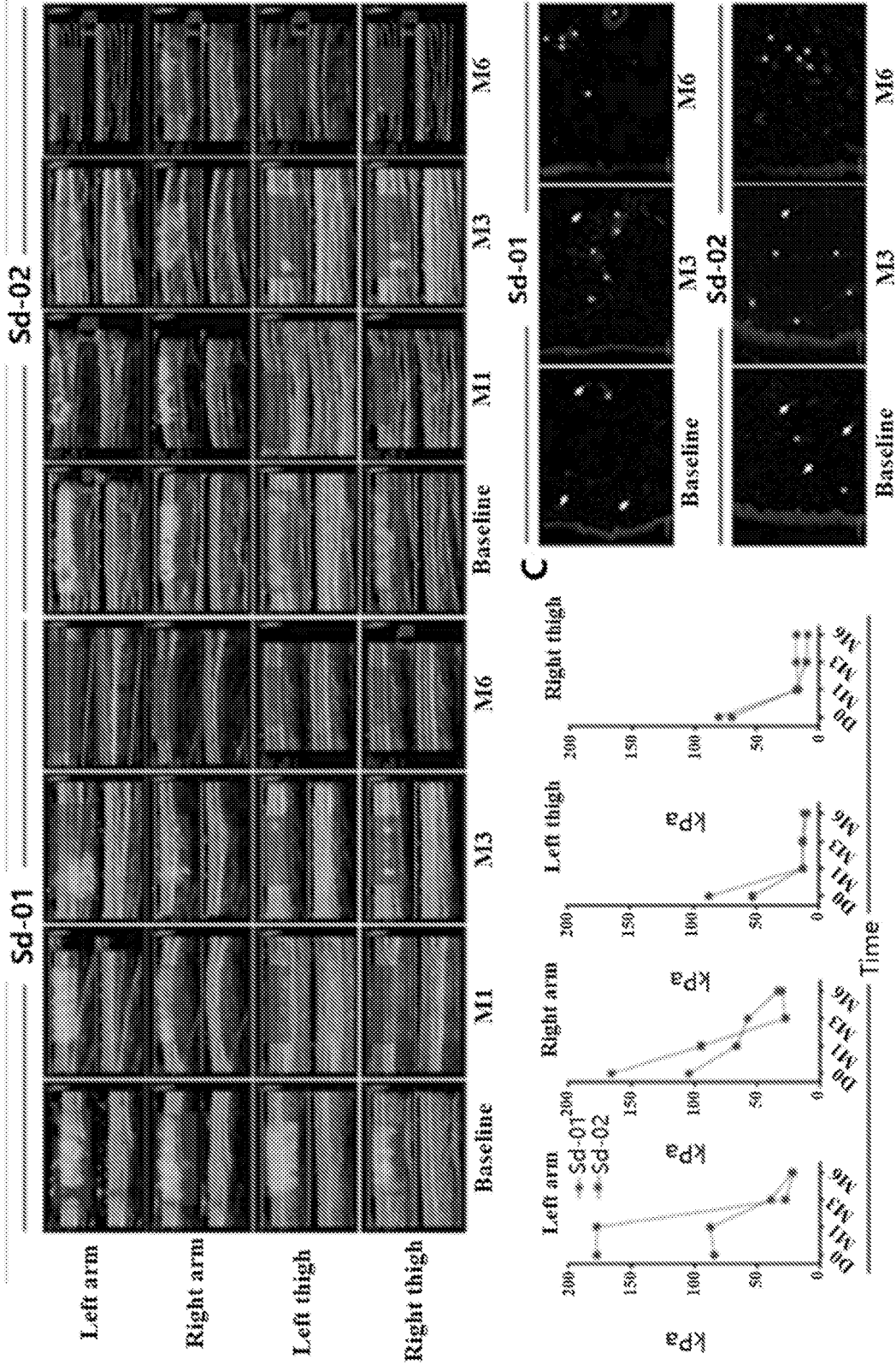
[Fig. 8B]



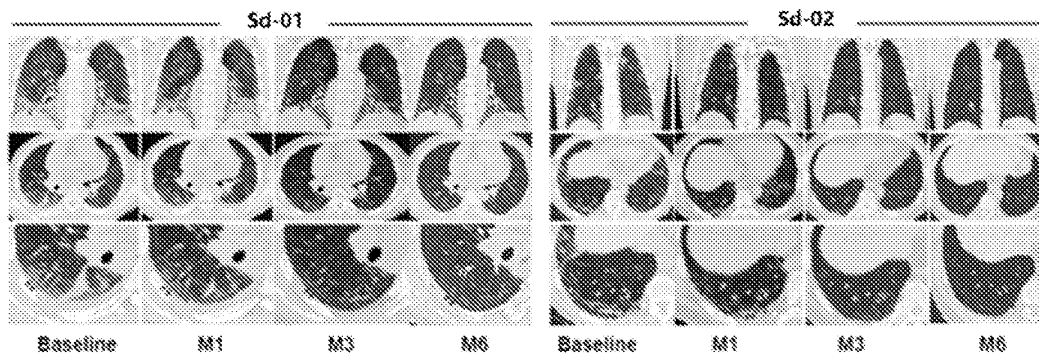
[Fig. 9]

Rule 26,
16.10.2024

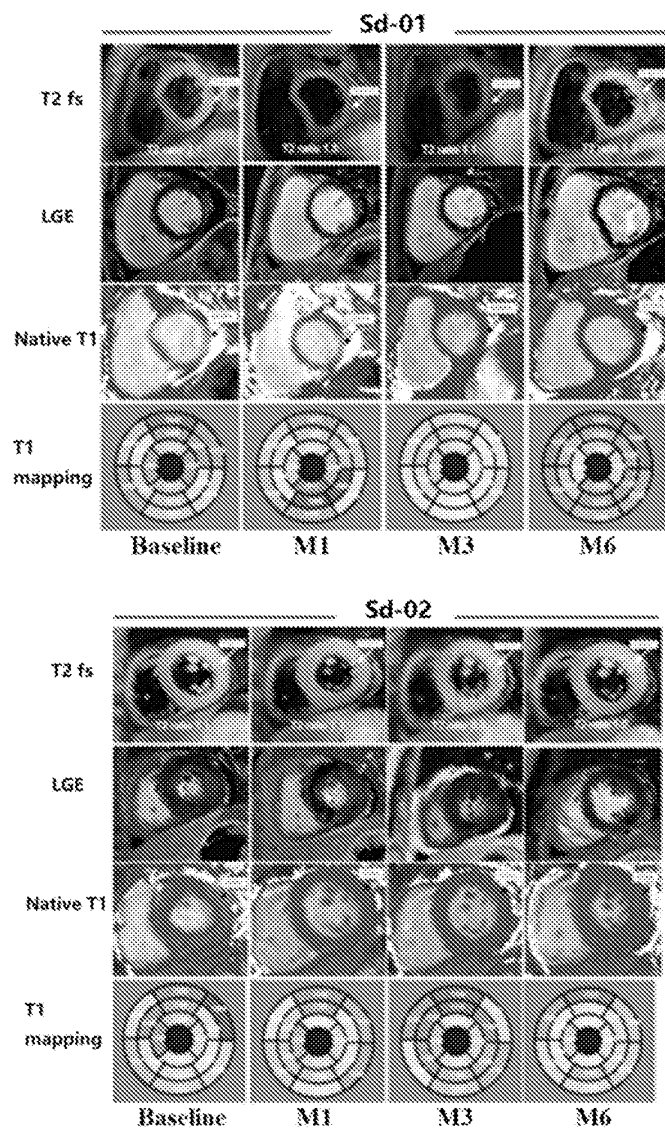
[Fig. 10A]



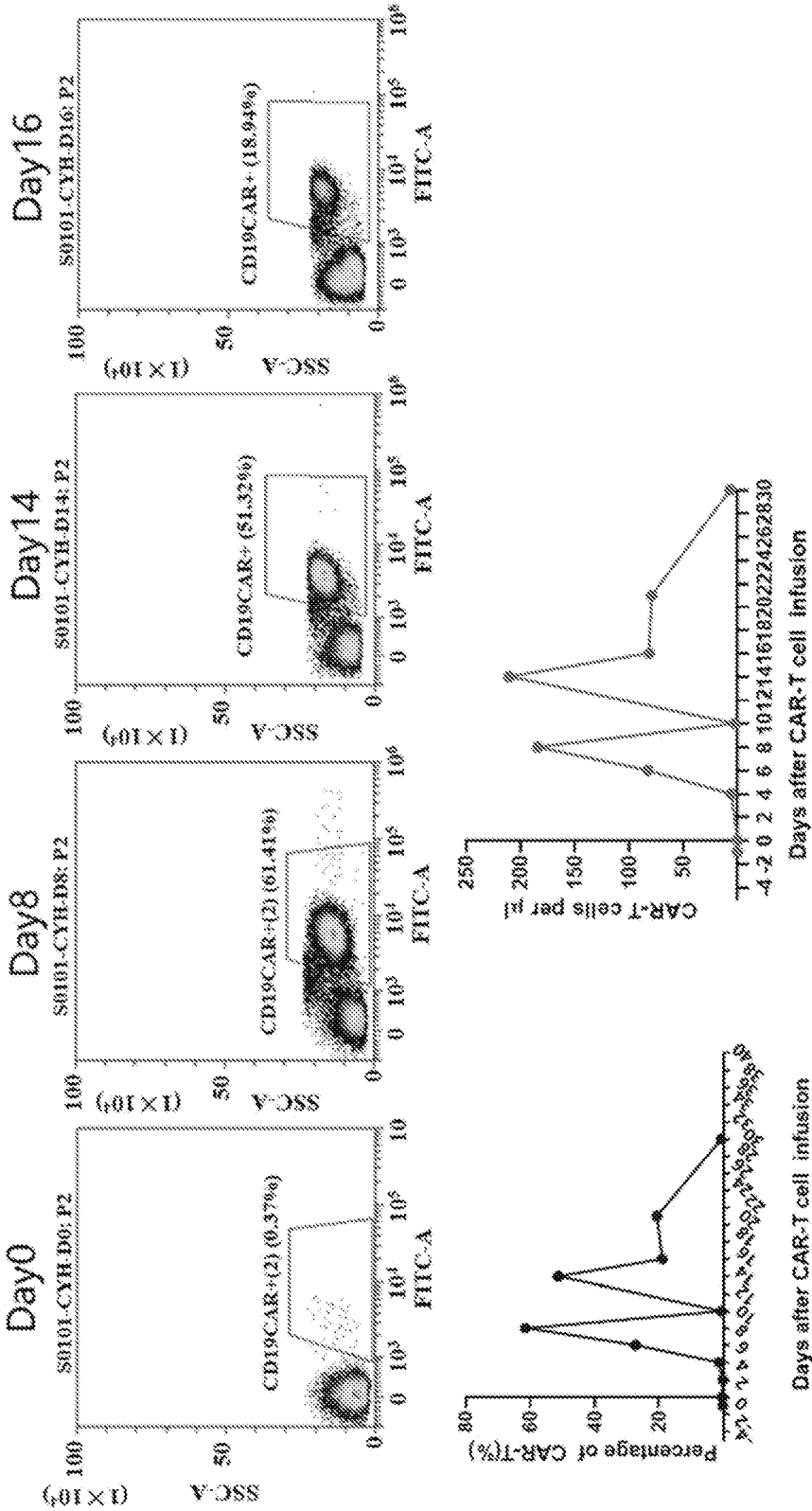
[Fig. 10B]

Rule 26,
16.10.2024

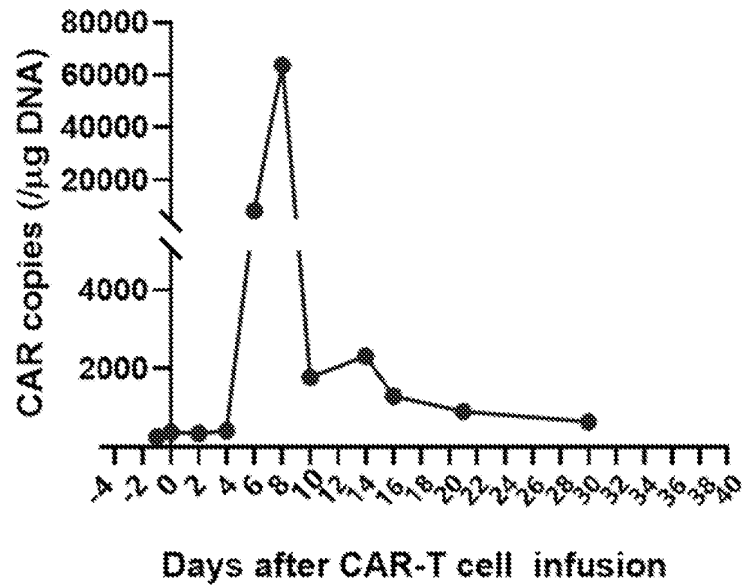
[Fig. 10C]

Rule 26,
16.10.2024

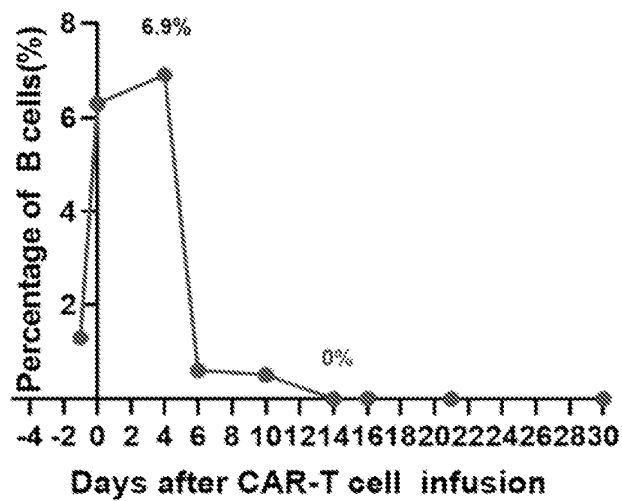
[Fig. 11A]



[Fig. 11B]

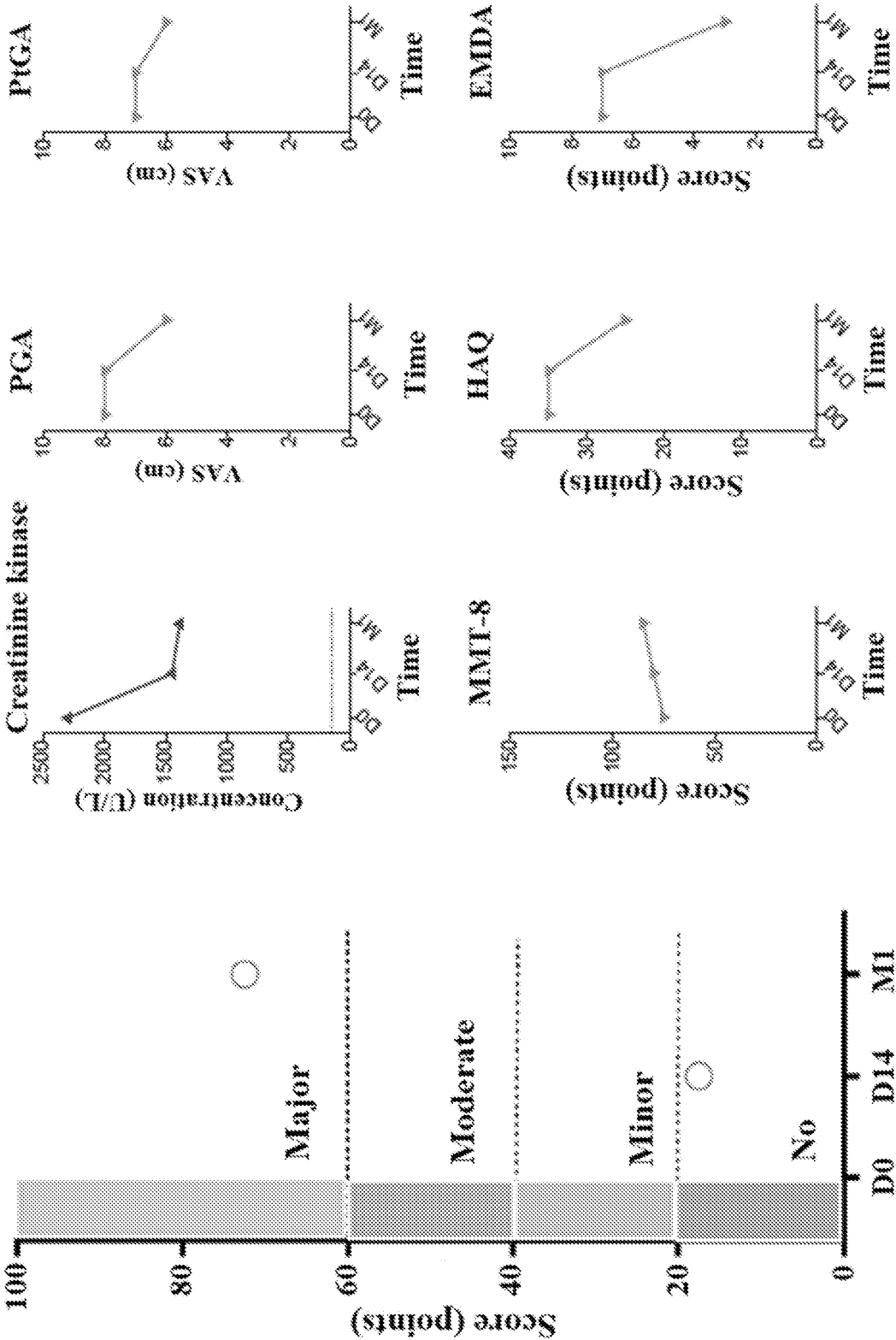
Rule 26,
16.10.2024

[Fig. 11C]

Rule 26,
16.10.2024

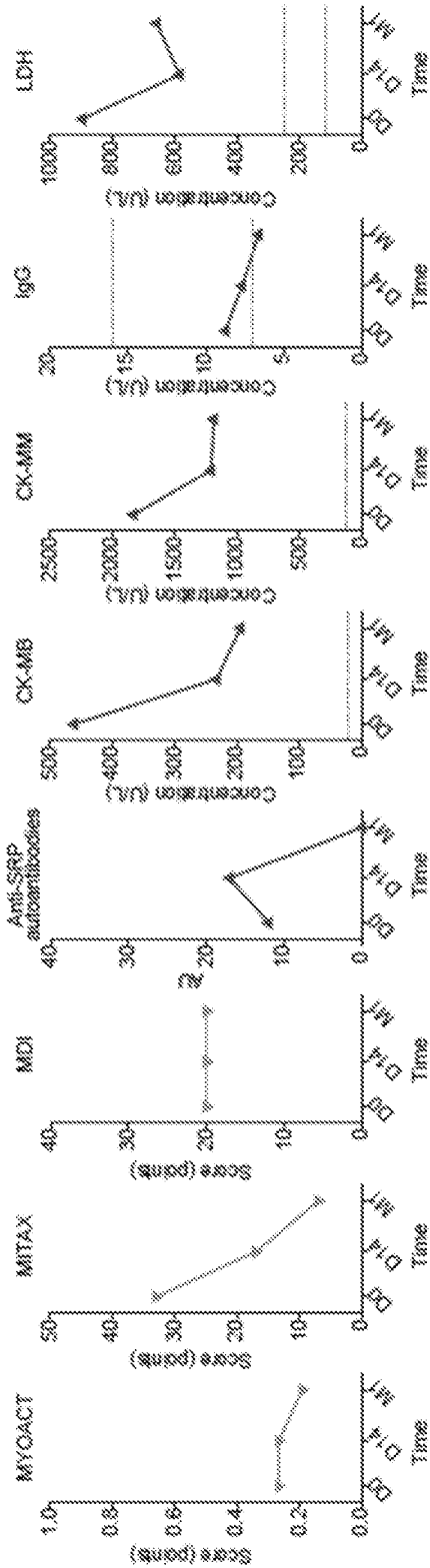
[Fig. 12A]

Rule 26,
16.10.2024

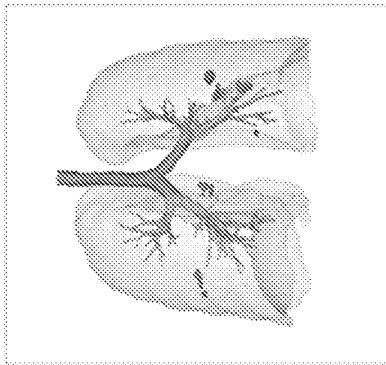


[Fig. 12B]

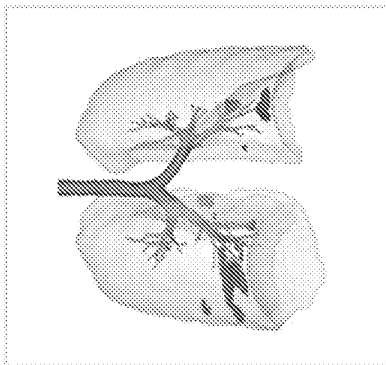
Rule 26,
16.10.2024



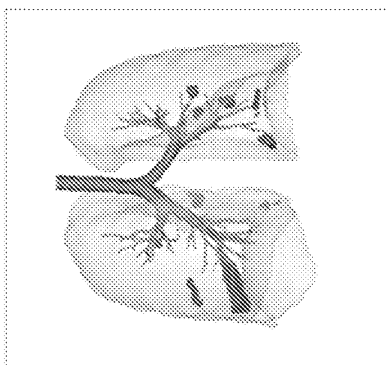
[Fig. 13]



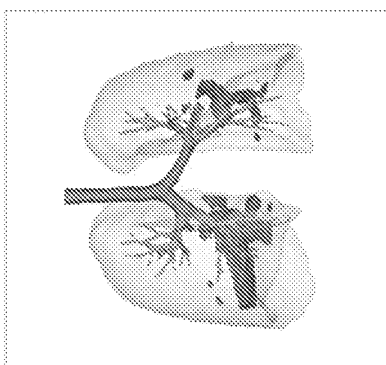
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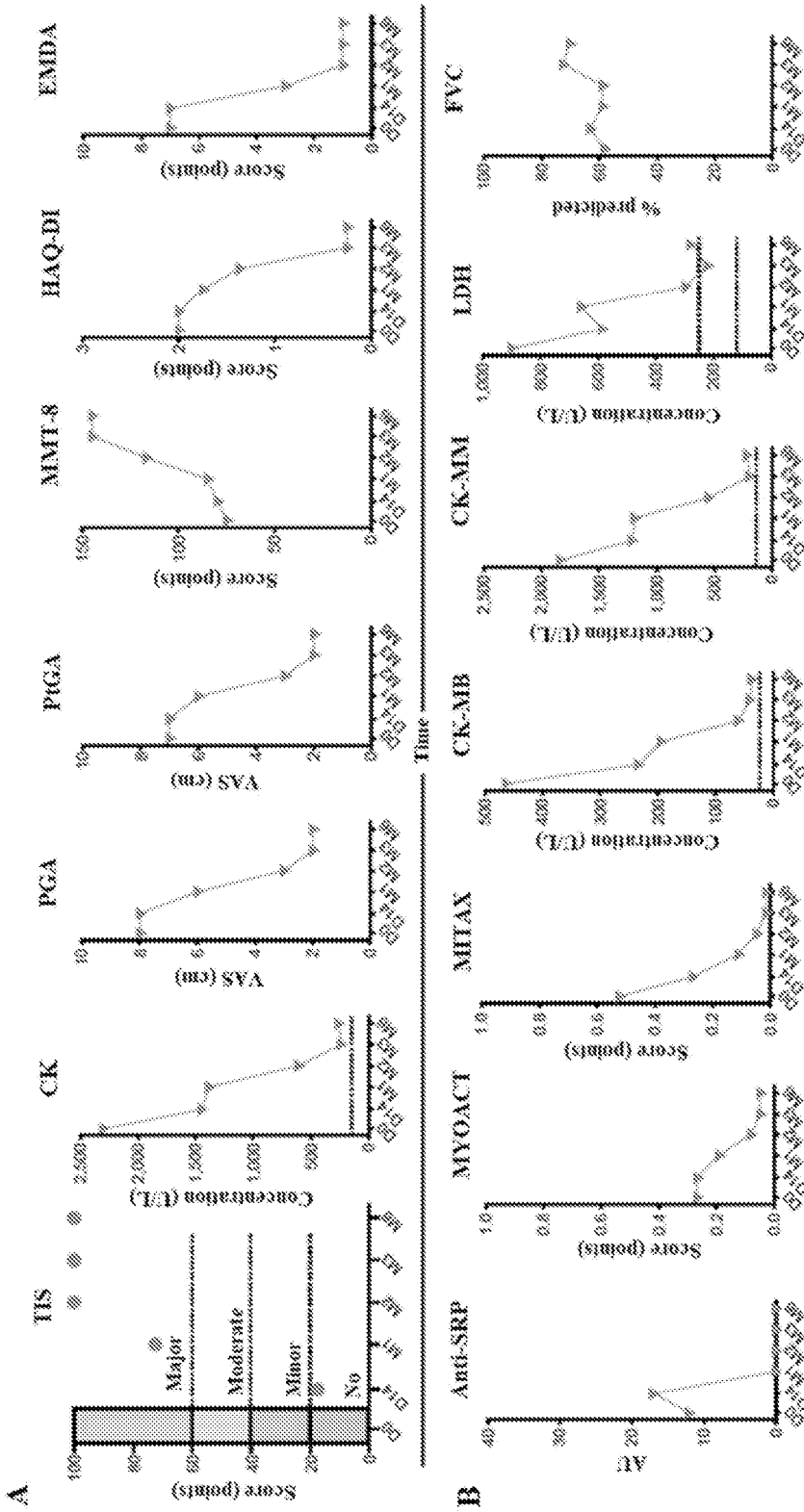
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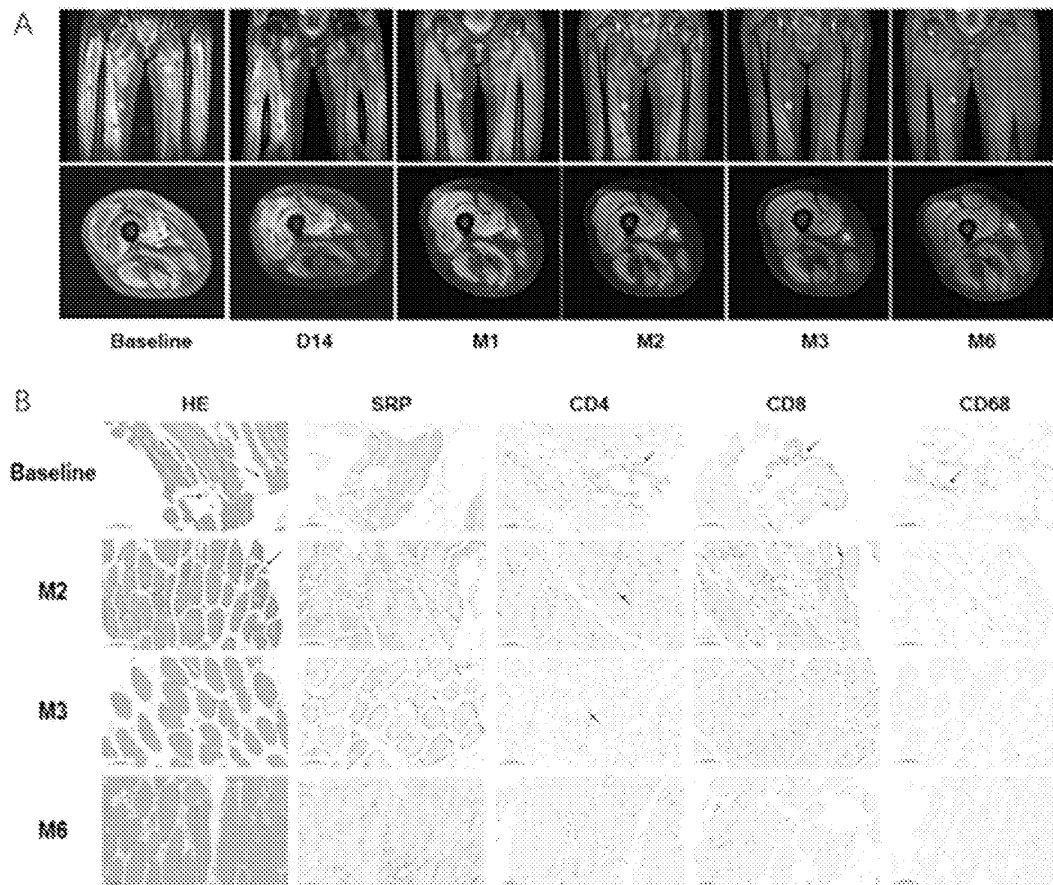
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[Fig. 14]

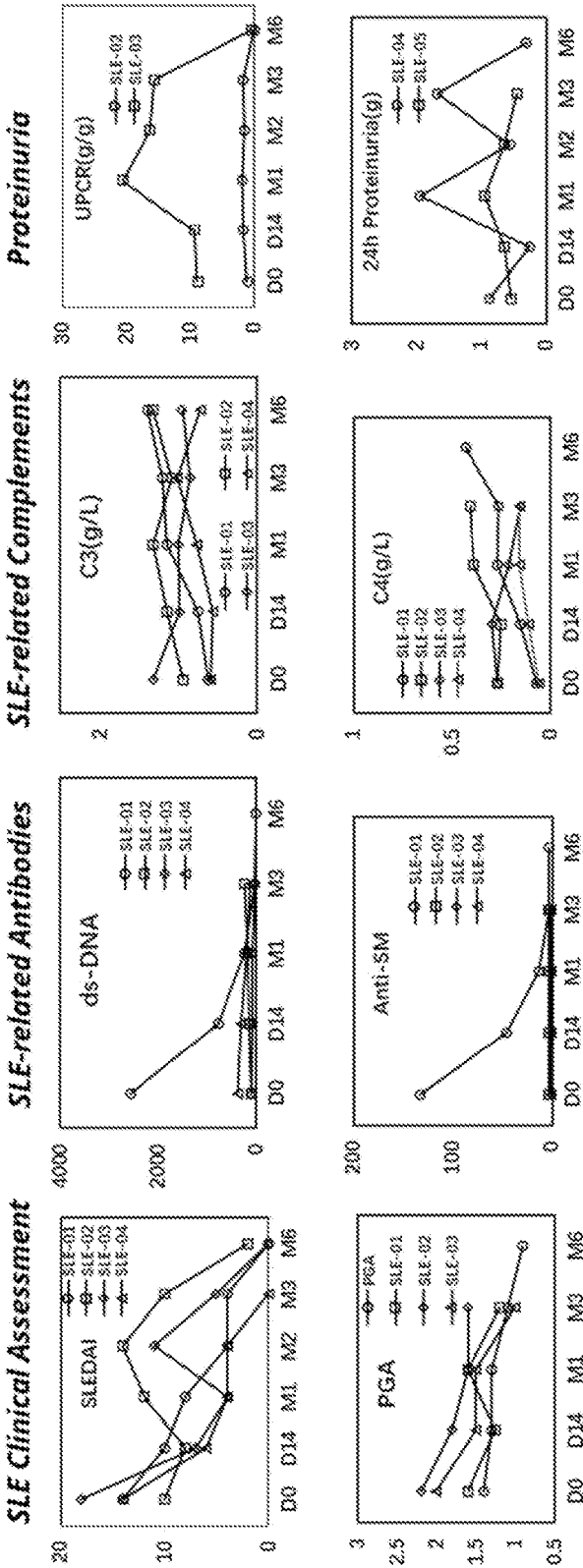
Rule 26,
16.10.2024



[Fig. 15]

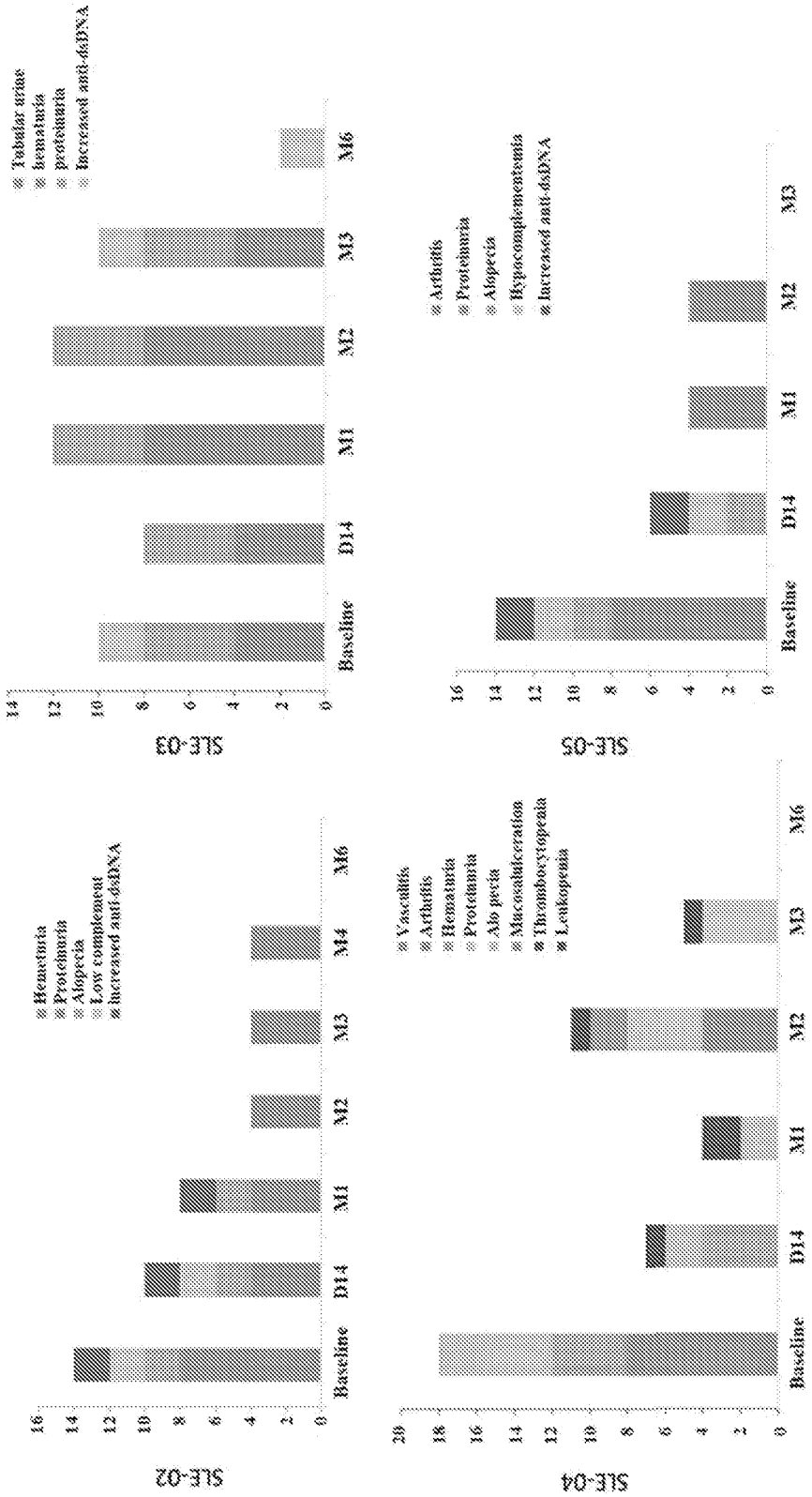
Rule 26,
16.10.2024

[Fig. 16]

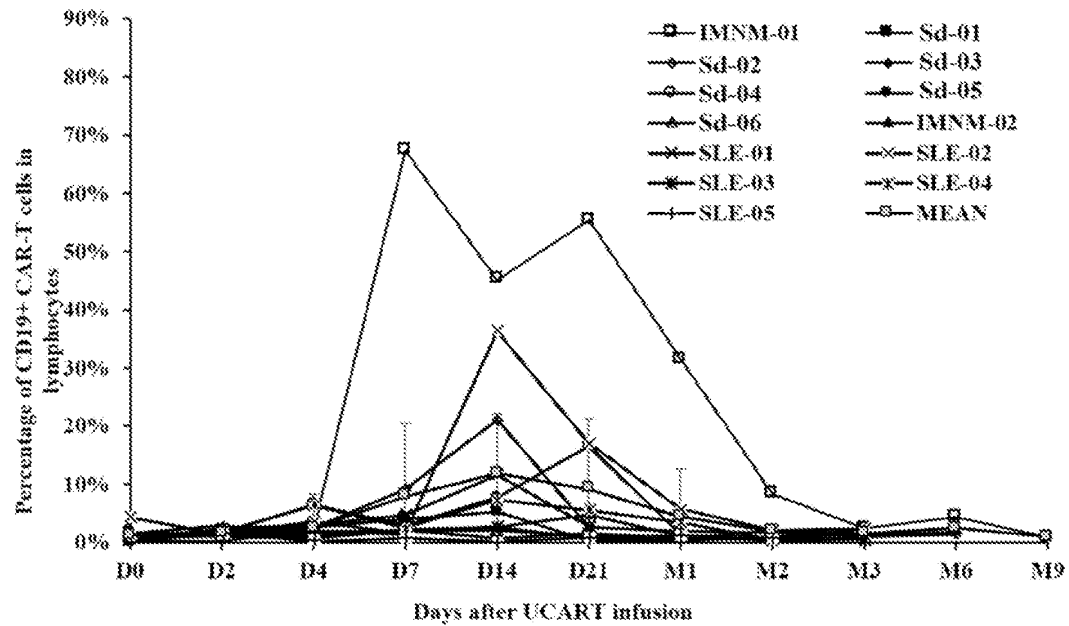


[Fig. 17]

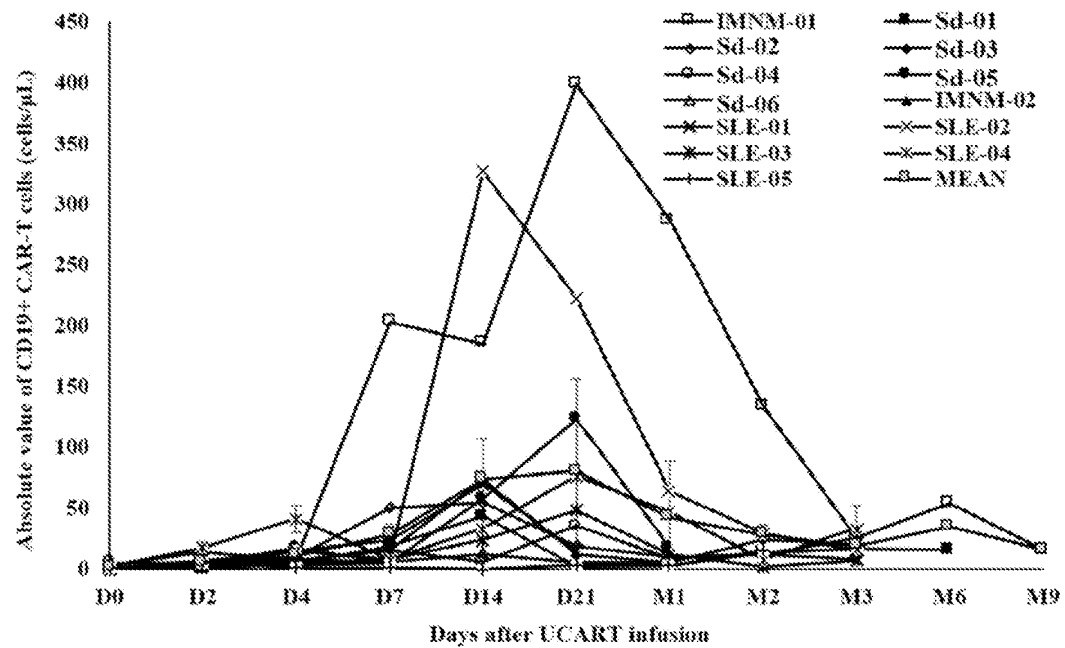
Rule 26,
16.10.2024



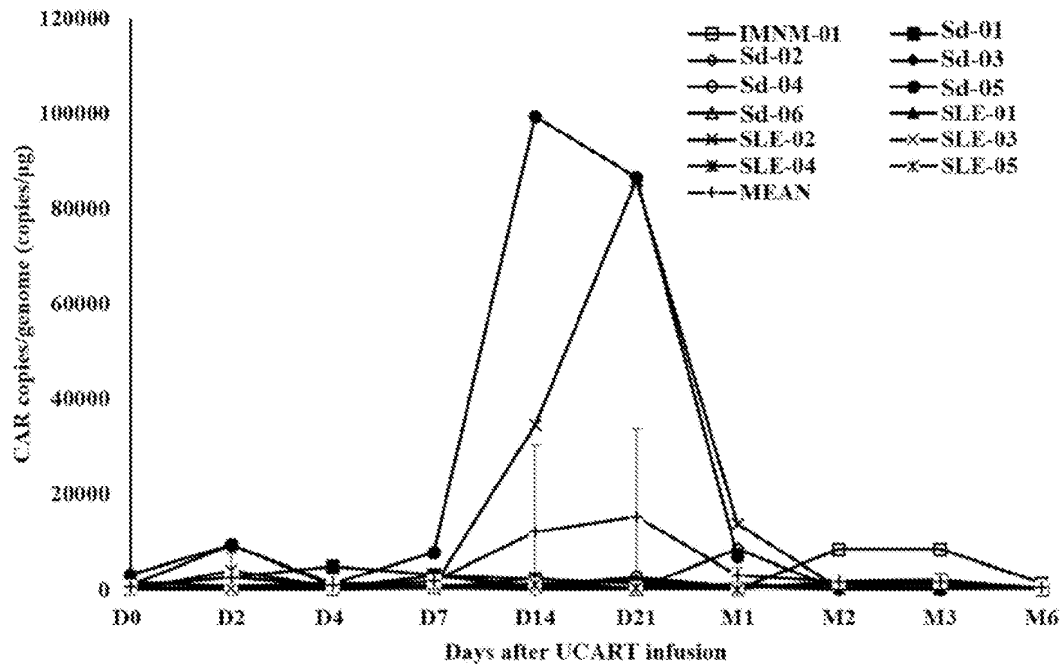
[Fig. 18]

Rule 26,
16.10.2024

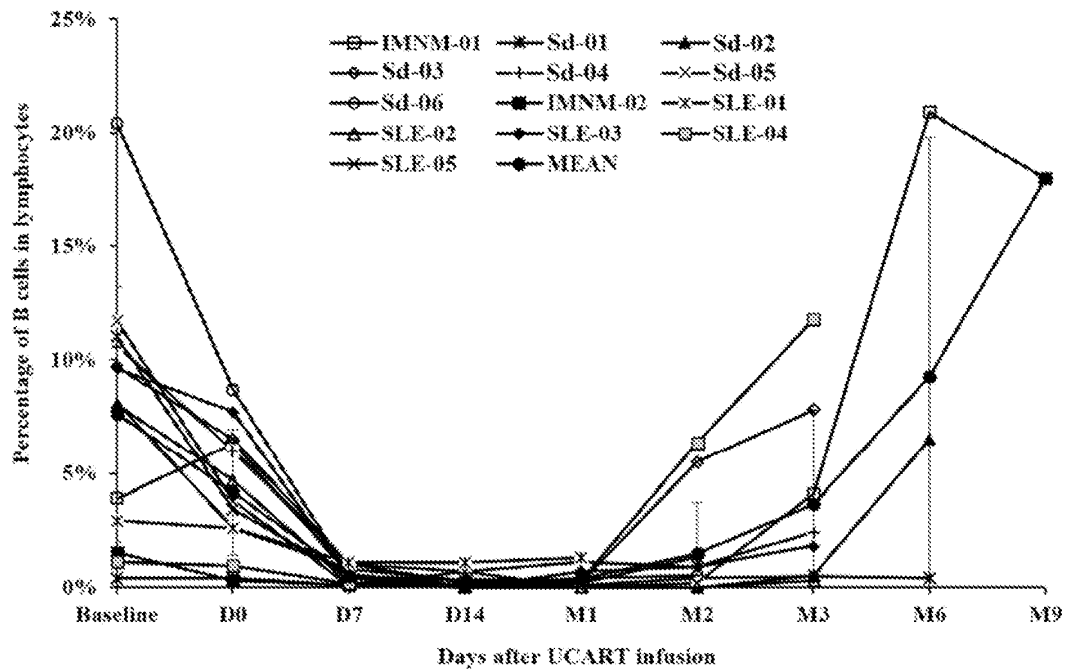
[Fig. 19]

Rule 26,
16.10.2024

[Fig. 20]

Rule 26,
16.10.2024

[Fig. 21]

Rule 26,
16.10.2024

[Fig. 22]

