

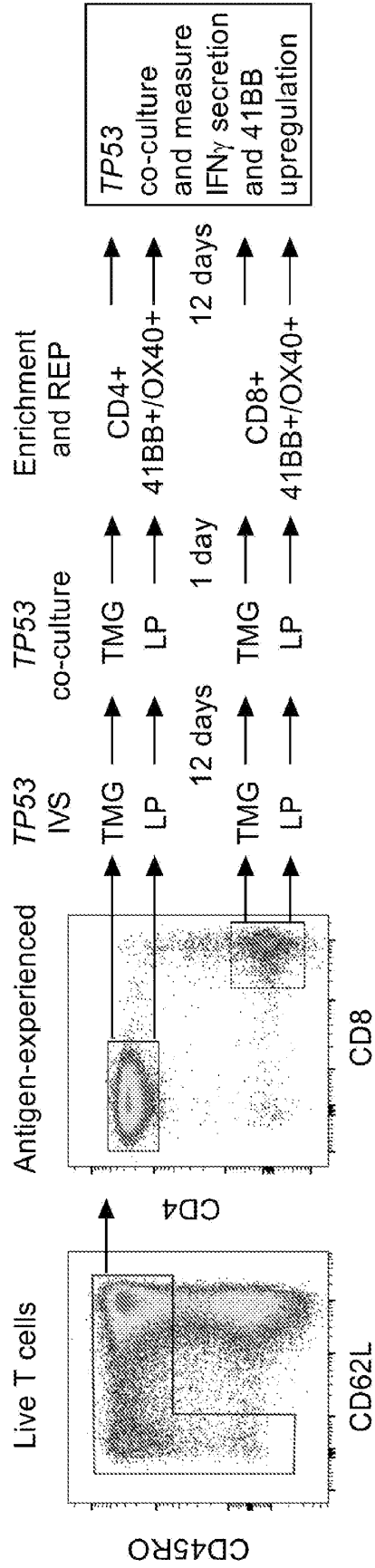


FIG. 1A

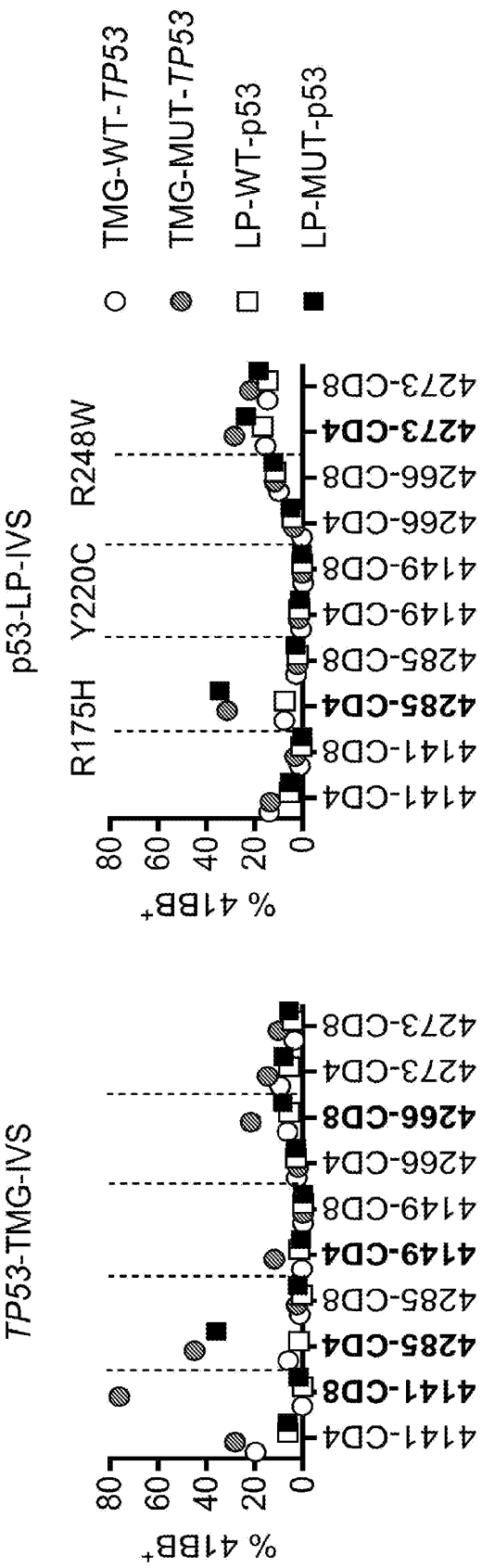


FIG. 1B

FIG. 1C

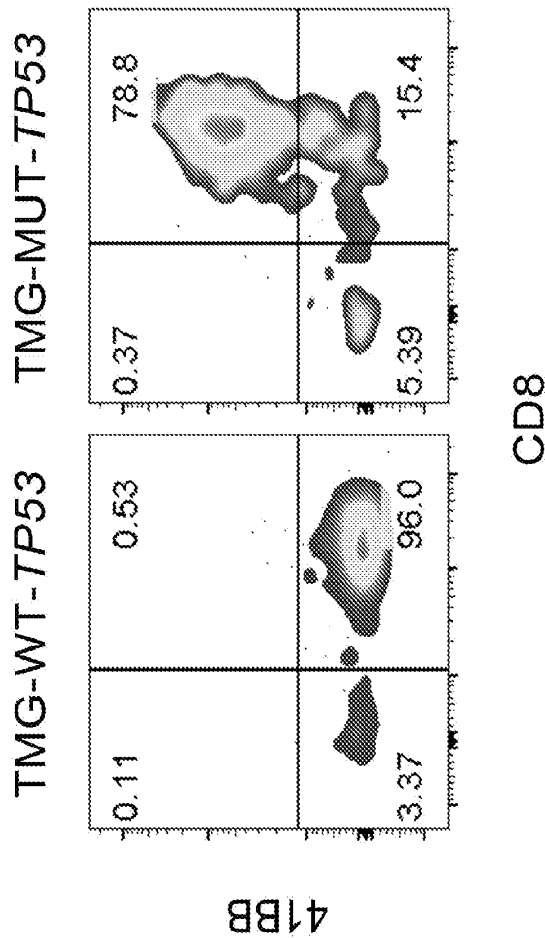


FIG. 1D

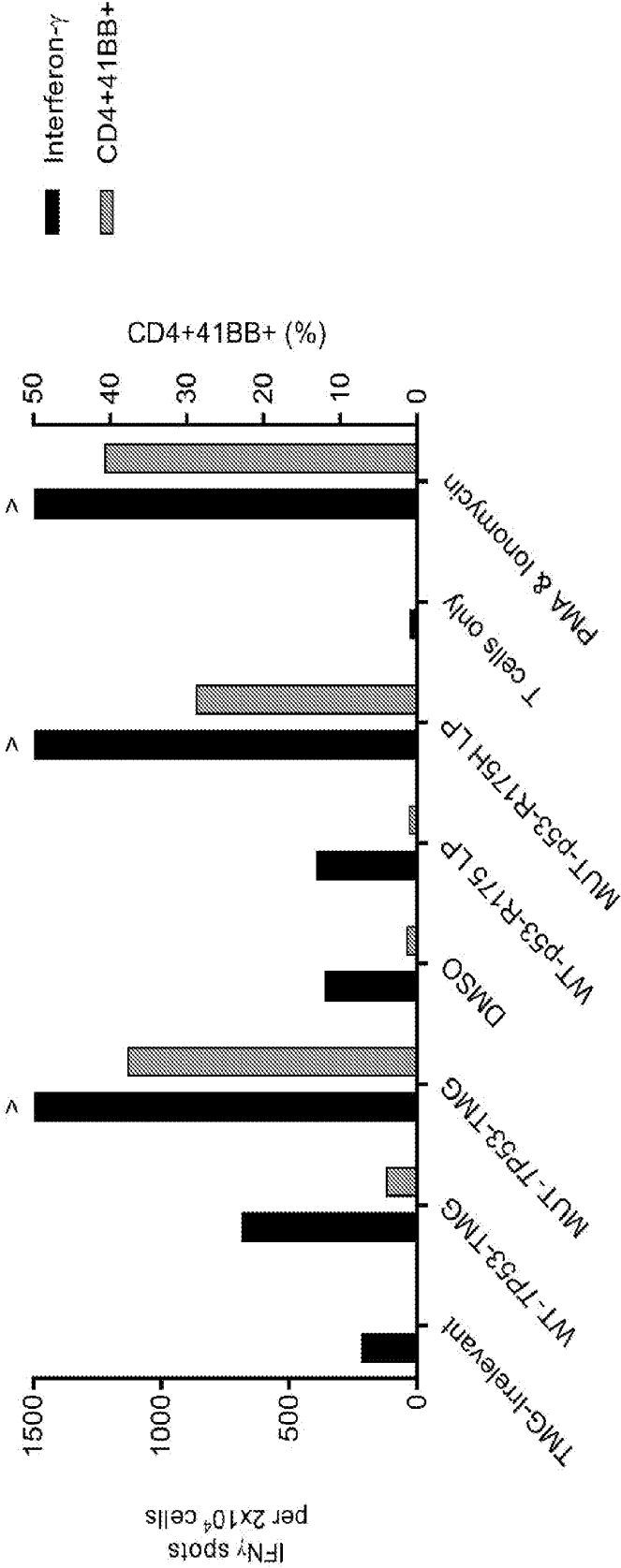


FIG. 1E

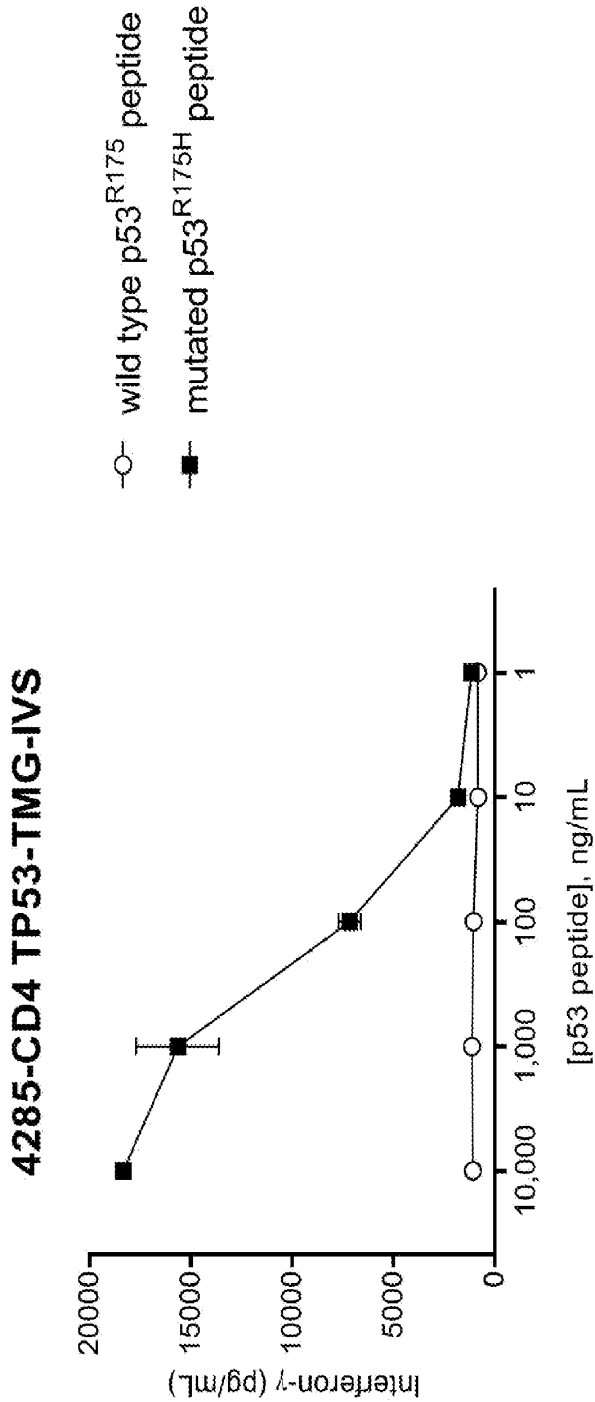


FIG. 1F

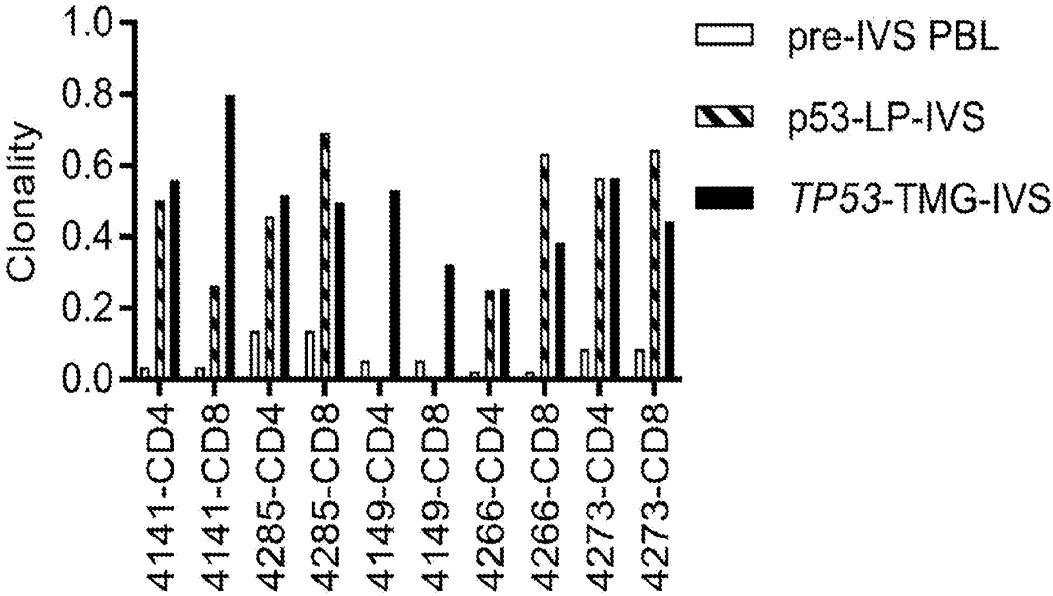


FIG. 2A

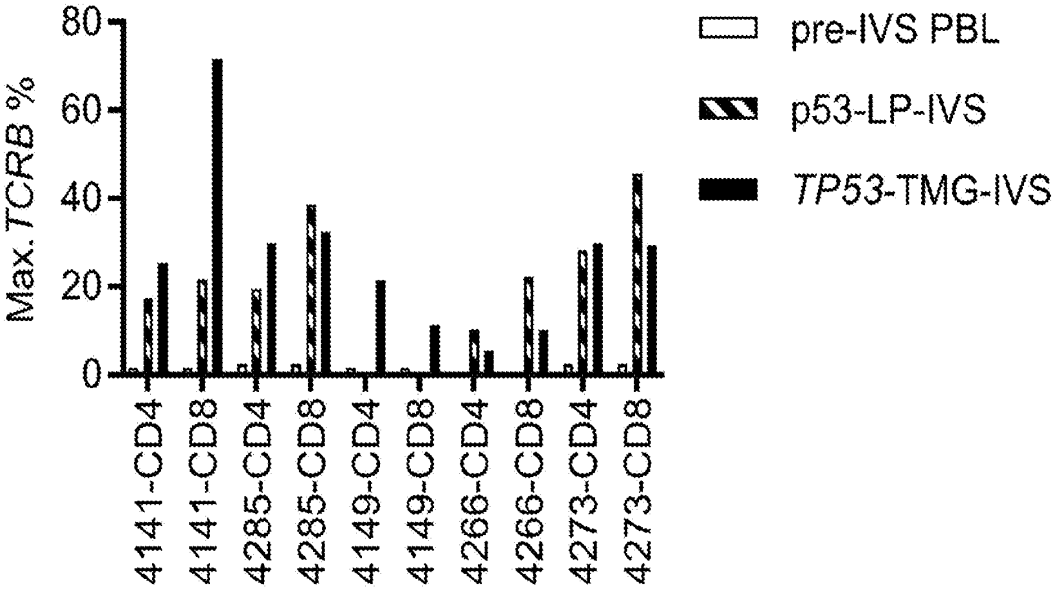


FIG. 2B

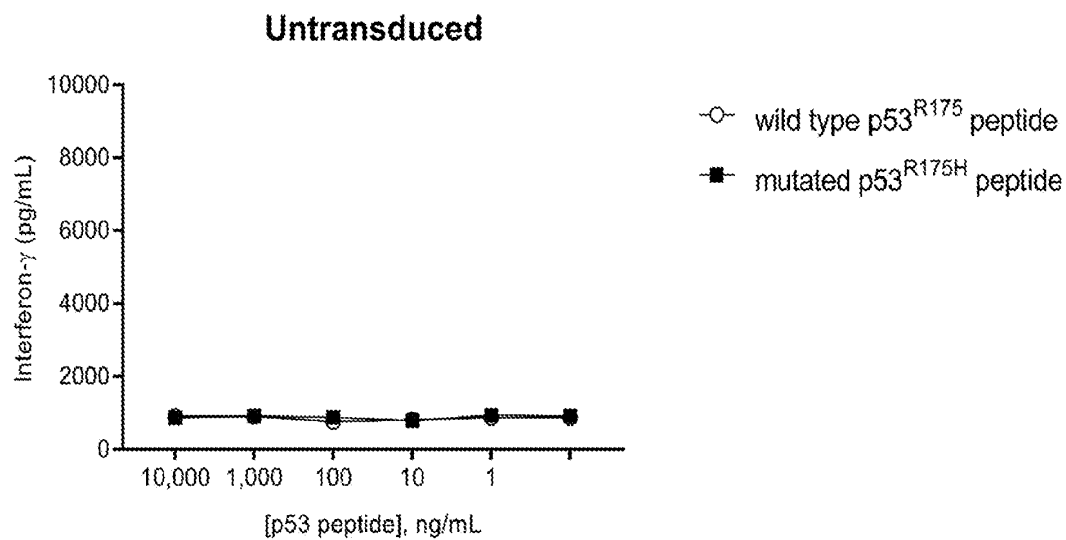


FIG. 2C

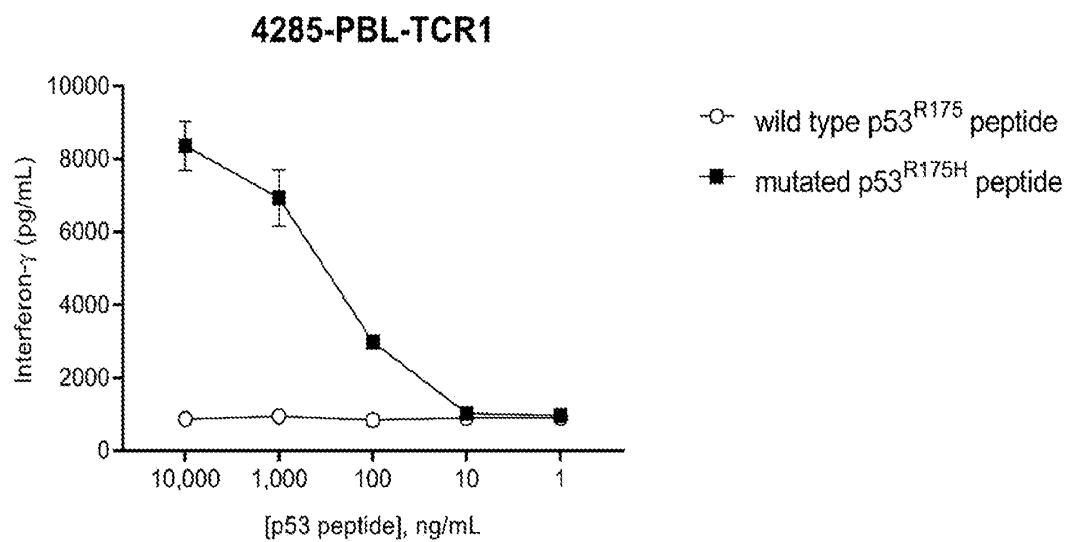


FIG. 2D

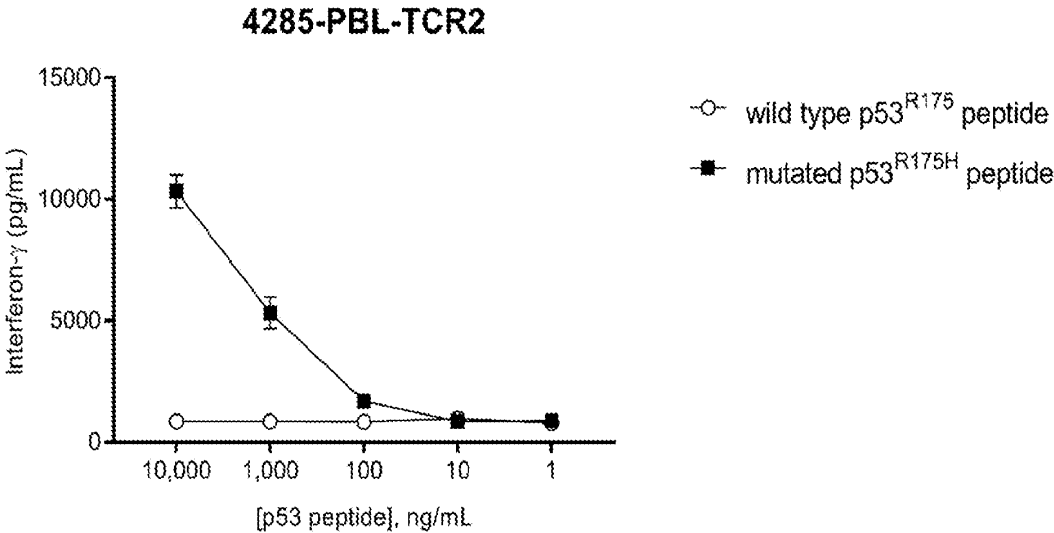


FIG. 2E

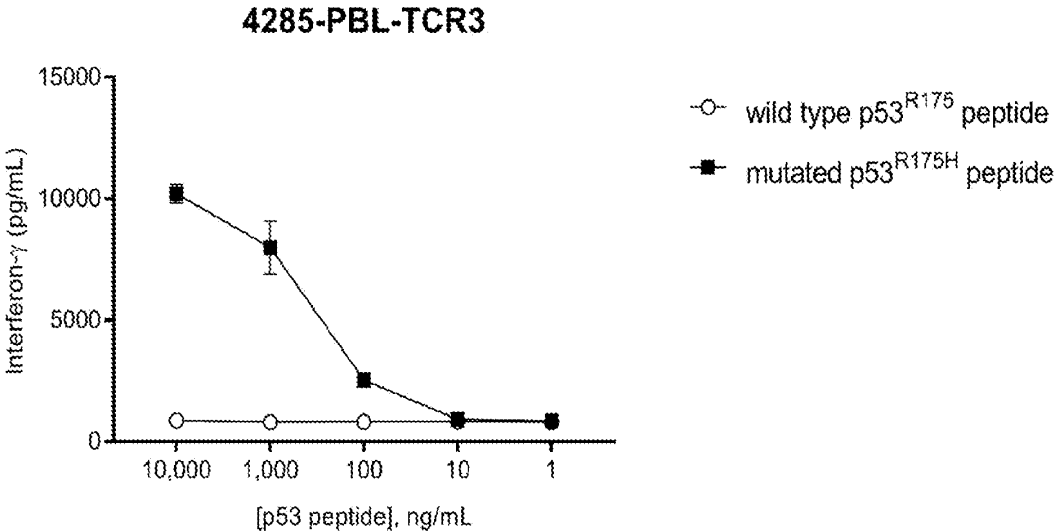


FIG. 2F

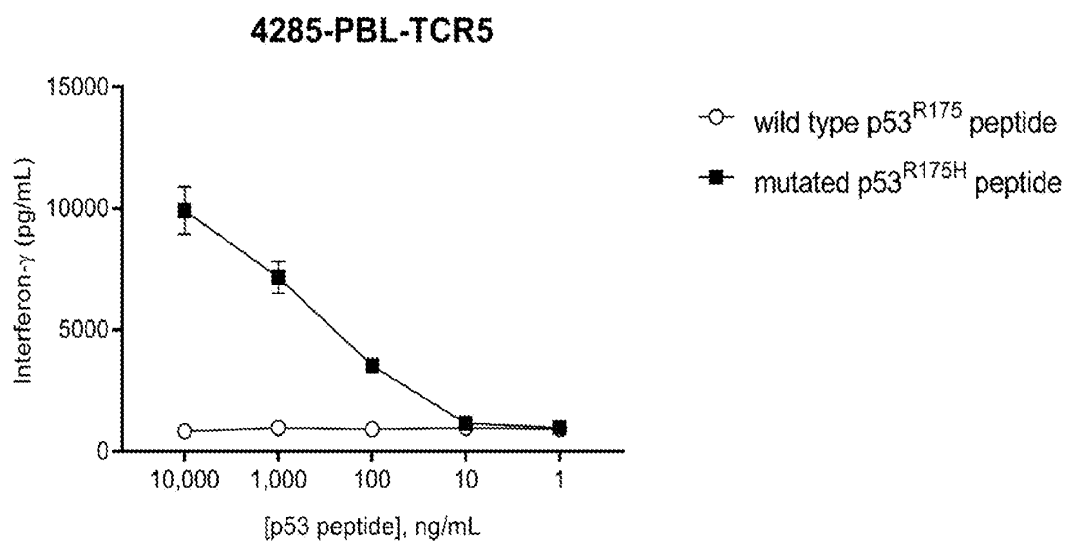


FIG. 2G

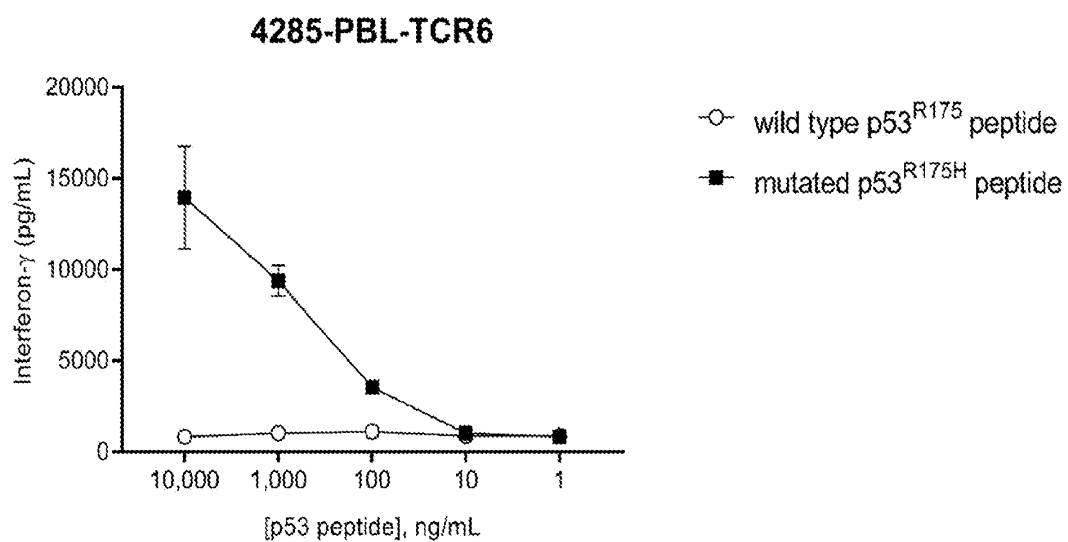


FIG. 2H

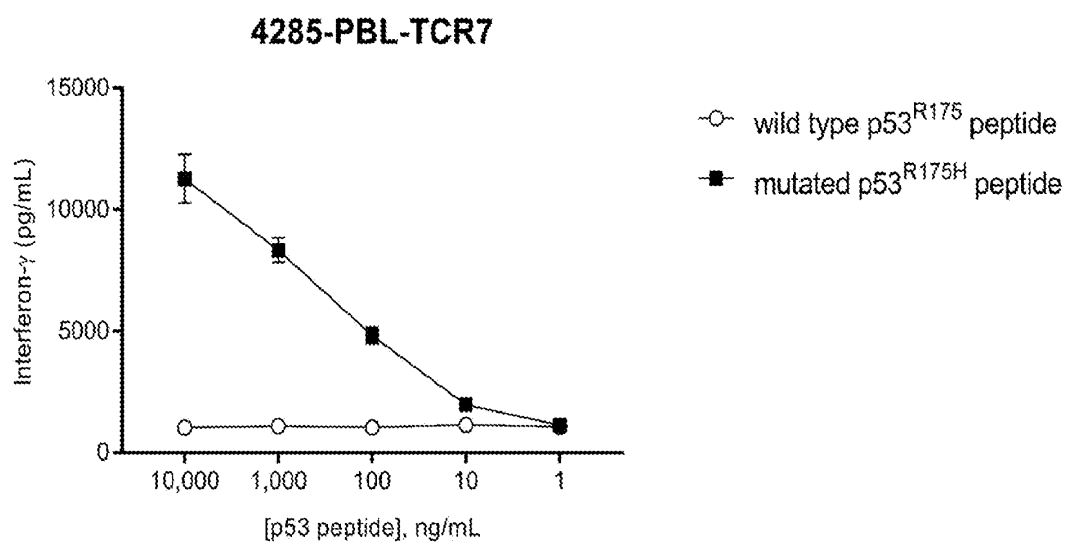


FIG. 2I

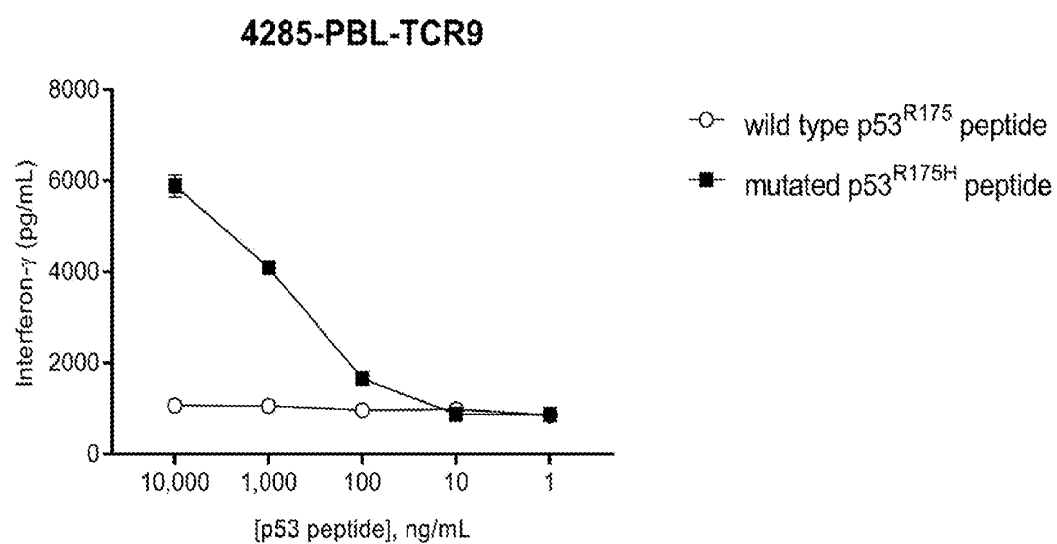


FIG. 2J

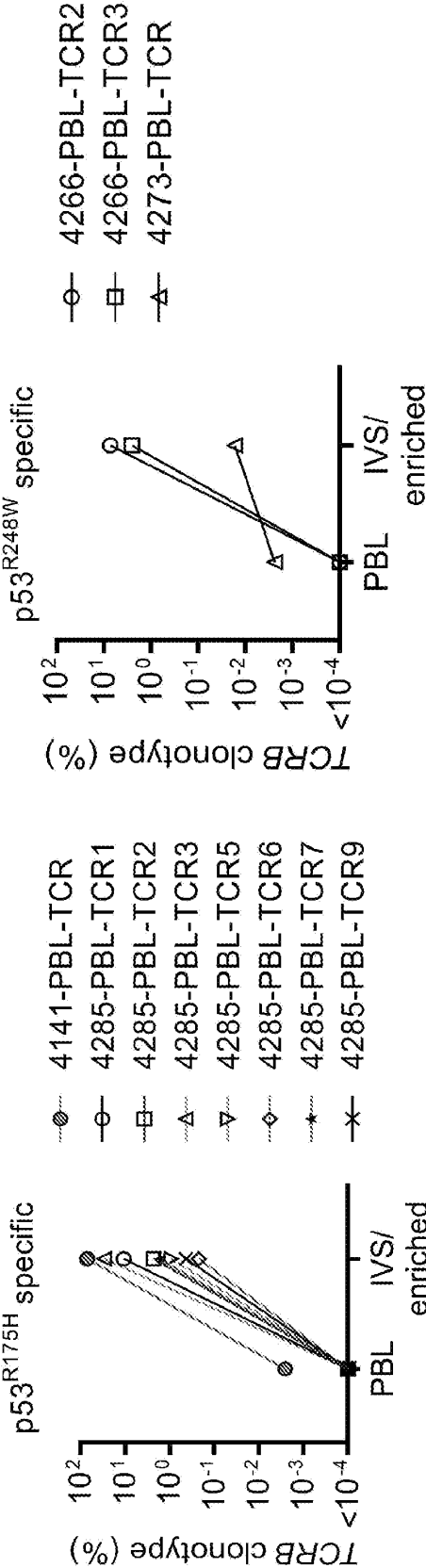


FIG. 2K

FIG. 2L

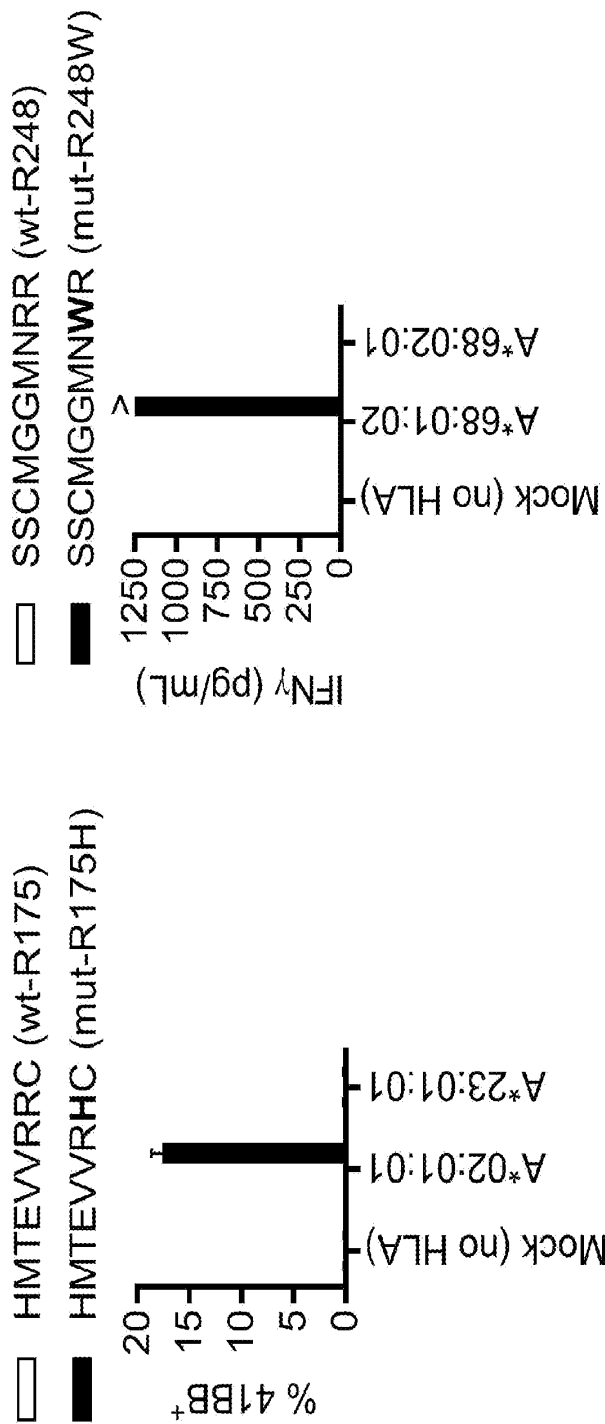


FIG. 3A

FIG. 3B

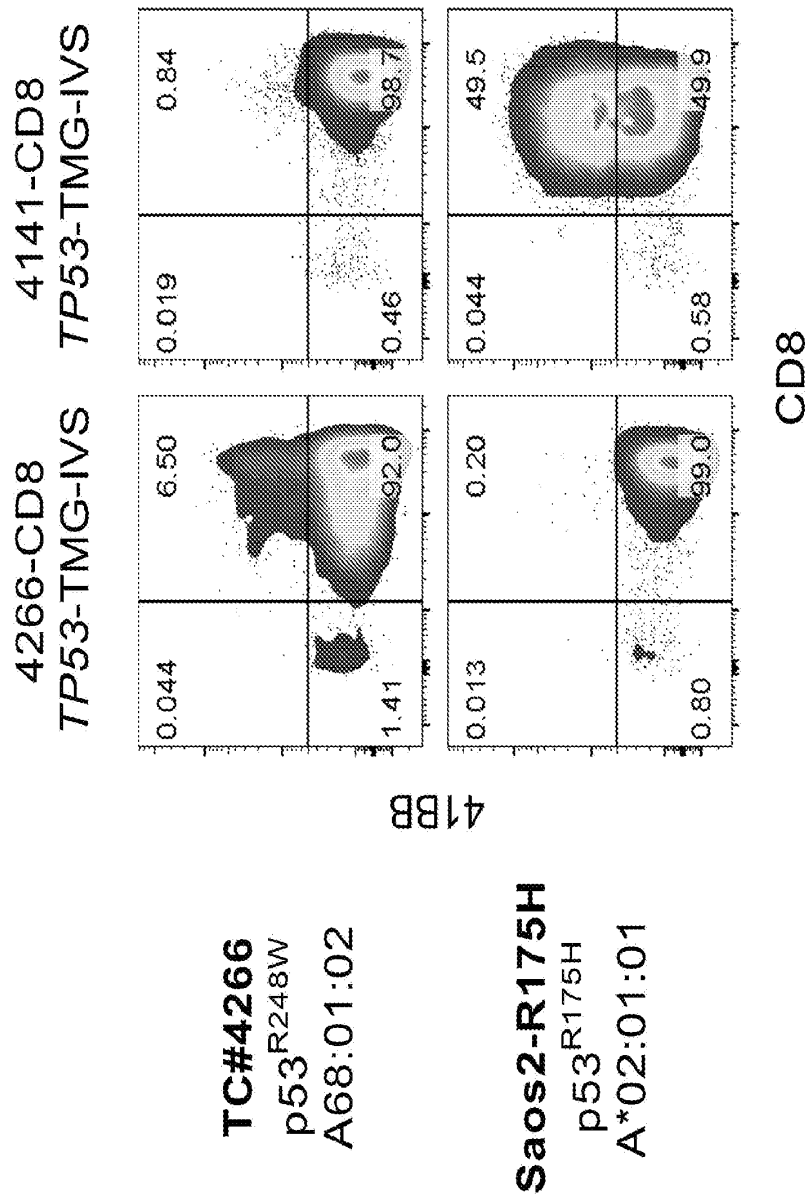


FIG. 3D

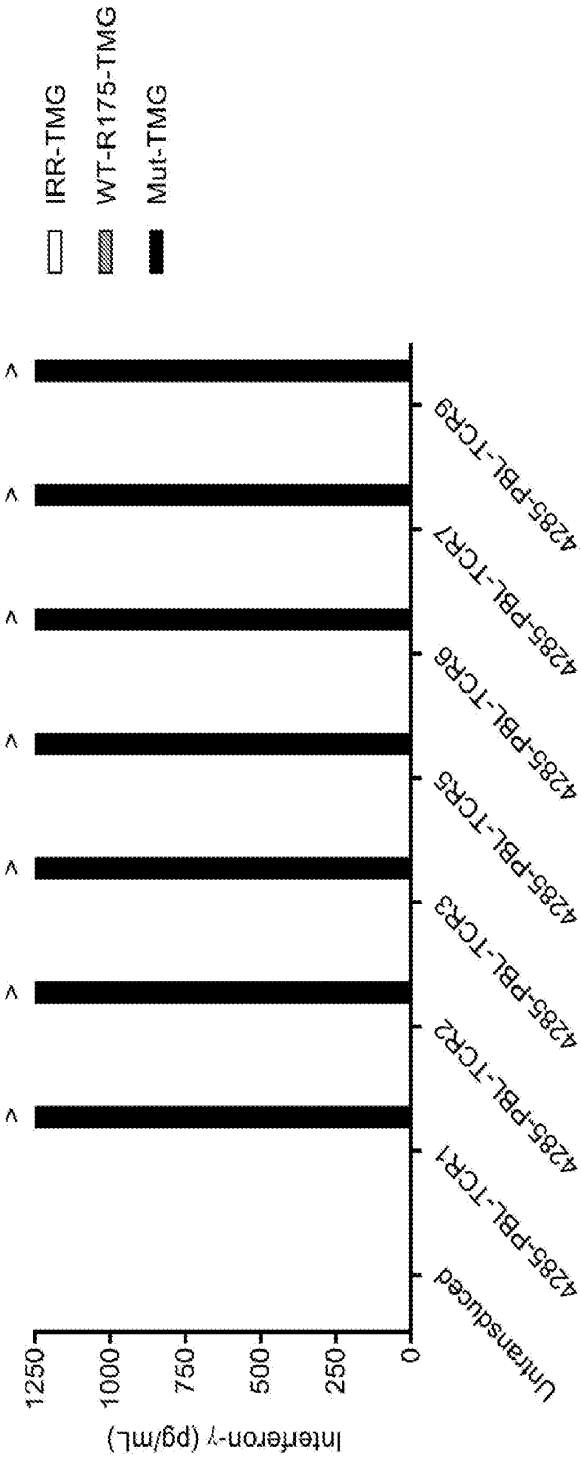


FIG. 4

16/24

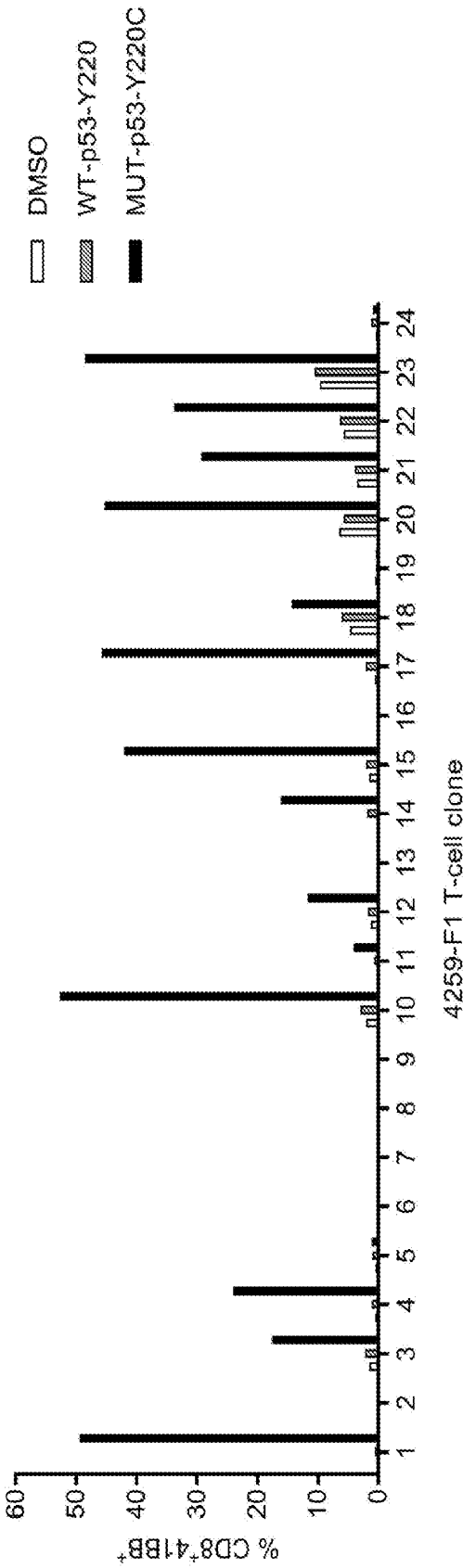


FIG. 5

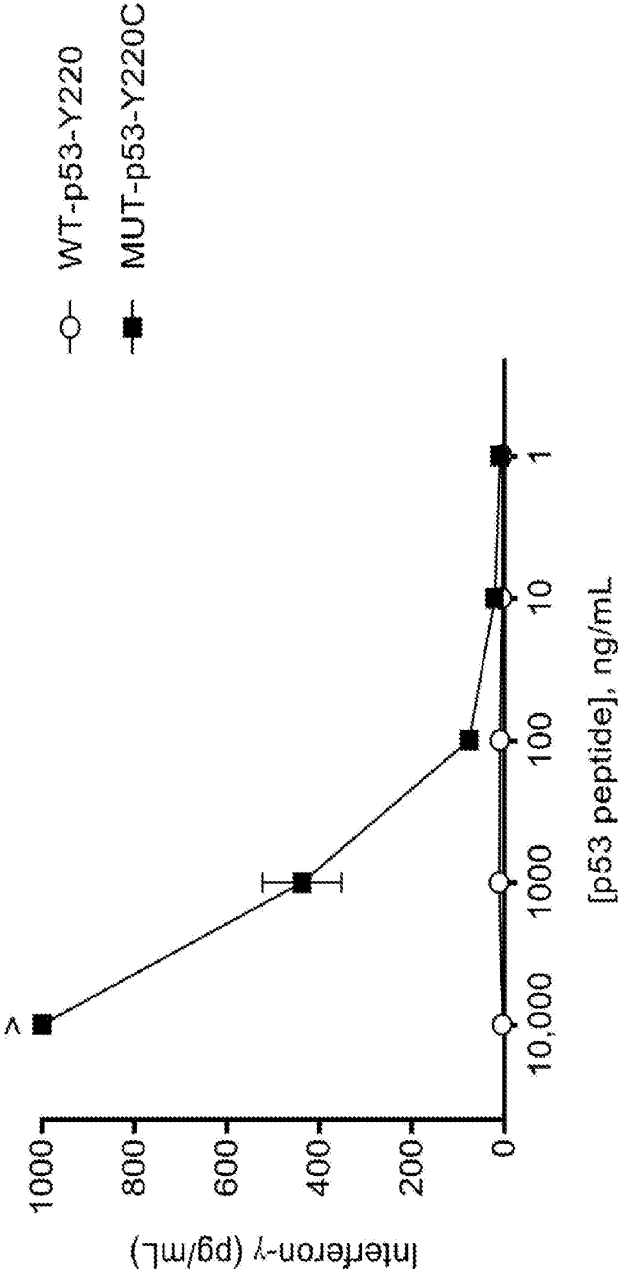


FIG. 6

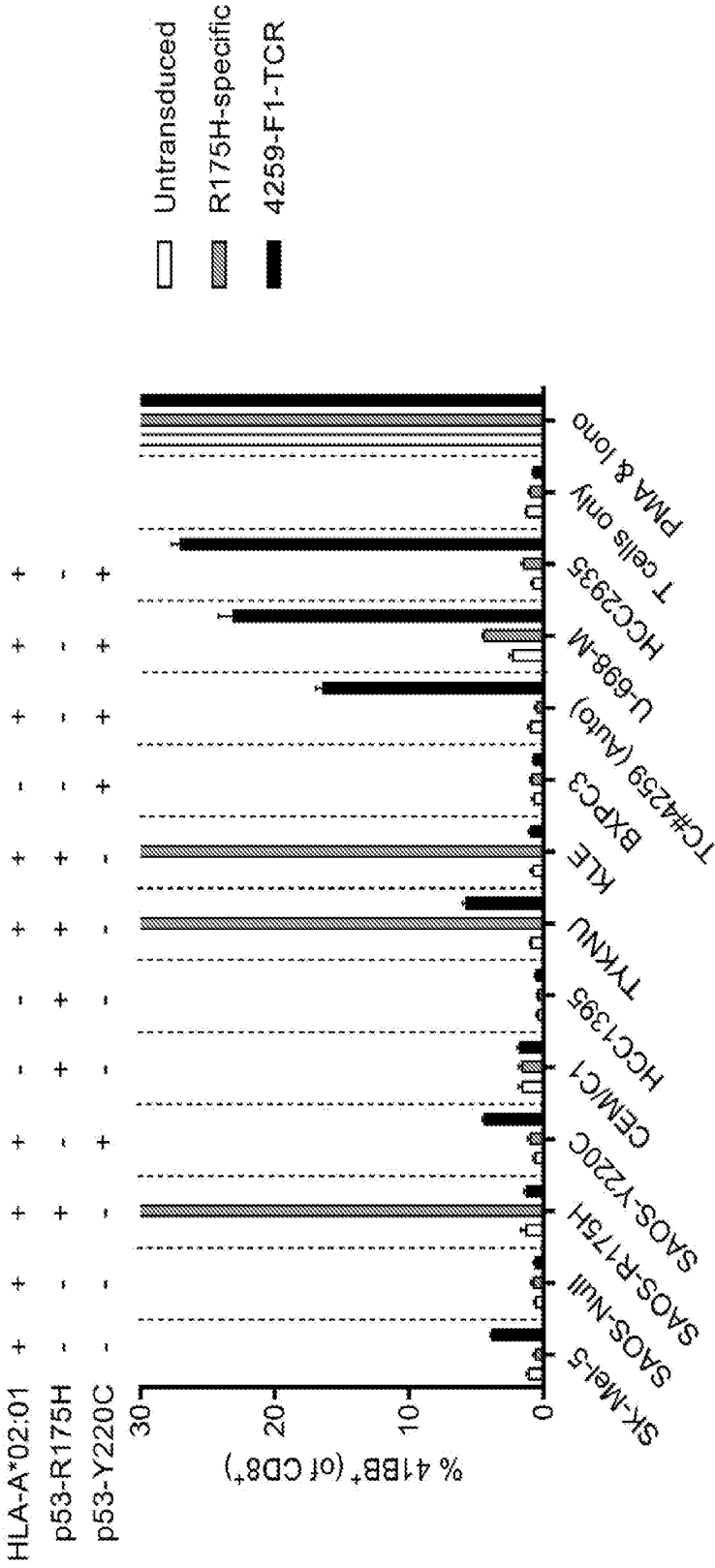


FIG. 7

19/24

CLUSTAL O(1.2.4) multiple sequence alignment

41/41

```

SP|P04637|P53_HUMAN  MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDPGP 60
SP|P04637-2|P53_HUMAN MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDPGP 60
SP|P04637-3|P53_HUMAN MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDPGP 60
SP|P04637-4|P53_HUMAN -----MDDLMLSPDDIEQWFTEDPGP 21
SP|P04637-5|P53_HUMAN -----MDDLMLSPDDIEQWFTEDPGP 21
SP|P04637-6|P53_HUMAN -----MDDLMLSPDDIEQWFTEDPGP 21
SP|P04637-7|P53_HUMAN -----
SP|P04637-8|P53_HUMAN -----
SP|P04637-9|P53_HUMAN -----

SP|P04637|P53_HUMAN  DEAPRMPEAAPPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 120
SP|P04637-2|P53_HUMAN DEAPRMPEAAPPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 120
SP|P04637-3|P53_HUMAN DEAPRMPEAAPPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 120
SP|P04637-4|P53_HUMAN DEAPRMPEAAPPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 81
SP|P04637-5|P53_HUMAN DEAPRMPEAAPPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 81
SP|P04637-6|P53_HUMAN DEAPRMPEAAPPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 81
SP|P04637-7|P53_HUMAN -----
SP|P04637-8|P53_HUMAN -----
SP|P04637-9|P53_HUMAN -----

SP|P04637|P53_HUMAN  SVTCTYSPALNKMFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 180
SP|P04637-2|P53_HUMAN SVTCTYSPALNKMFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 180
SP|P04637-3|P53_HUMAN SVTCTYSPALNKMFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 180
SP|P04637-4|P53_HUMAN SVTCTYSPALNKMFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 141
SP|P04637-5|P53_HUMAN SVTCTYSPALNKMFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 141
SP|P04637-6|P53_HUMAN SVTCTYSPALNKMFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 141
SP|P04637-7|P53_HUMAN -----MFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 48
SP|P04637-8|P53_HUMAN -----MFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 48
SP|P04637-9|P53_HUMAN -----MFCQLAKTQCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 48
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SP|P04637|P53_HUMAN  RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 240
SP|P04637-2|P53_HUMAN RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 240
SP|P04637-3|P53_HUMAN RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 240
SP|P04637-4|P53_HUMAN RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 201
SP|P04637-5|P53_HUMAN RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 201
SP|P04637-6|P53_HUMAN RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 201
SP|P04637-7|P53_HUMAN RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 188
SP|P04637-8|P53_HUMAN RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 188
SP|P04637-9|P53_HUMAN RCSDSGLAPPQHLIRVEGNLRVEYLDGRNTRFRHSVVPYEPPEVGSDCCTIIHYNMCMNS 188
*****

SP|P04637|P53_HUMAN  SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 300
SP|P04637-2|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 300
SP|P04637-3|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 300
SP|P04637-4|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 261
SP|P04637-5|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 261
SP|P04637-6|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 261
SP|P04637-7|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 168
SP|P04637-8|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 168
SP|P04637-9|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRRTEENLRKKGEPHHELP 168
*****

SP|P04637|P53_HUMAN  PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKEPG 360
SP|P04637-2|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQDQTSFQKENC----- 341
SP|P04637-3|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQMLDLRWCYFLINSS----- 346
SP|P04637-4|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKEPG 302
SP|P04637-5|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQDQTSFQKENC----- 321
SP|P04637-6|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQMLDLRWCYFLINSS----- 307
SP|P04637-7|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKEPG 228
SP|P04637-8|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQDQTSFQKENC----- 209
SP|P04637-9|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQMLDLRWCYFLINSS----- 214
*****

SP|P04637|P53_HUMAN  GSRAHSSHLKSKKGQSTS RHKKLMFKTEGPDSD 353
SP|P04637-2|P53_HUMAN -----
SP|P04637-3|P53_HUMAN -----
SP|P04637-4|P53_HUMAN GSRAHSSHLKSKKGQSTS RHKKLMFKTEGPDSD 354
SP|P04637-5|P53_HUMAN -----
SP|P04637-6|P53_HUMAN -----
SP|P04637-7|P53_HUMAN GSRAHSSHLKSKKGQSTS RHKKLMFKTEGPDSD 261
SP|P04637-8|P53_HUMAN -----
SP|P04637-9|P53_HUMAN -----

```

FIG. 8

L36092 TRBV7-9*01 Homo	MGTSLLCWMALCLLGADHDTGVSQNPRHKITKRGQNVTFRCDP ISEHNRLYWYRQTLGQ	60
AF009663 TRBV7-9*03 Homo	MGTSLLCWMALCLLGADHDTGVSQDPRHKITKRGQNVTFRCDP ISEHNRLYWYRQTLGQ	60
	*****;*****	
L36092 TRBV7-9*01 Homo	GPEFLTYEQNEAQLKSRLLSDRFSAEPRPKGSFSTLEIQRTQEGDSAMYLCASSL	115
AF009663 TRBV7-9*03 Homo	GPEFLTYEQNEAQLKSRLLSDRFSAEPRPKGSFSTLEIQRTQEGDSAMYLCASSL	115

FIG. 9

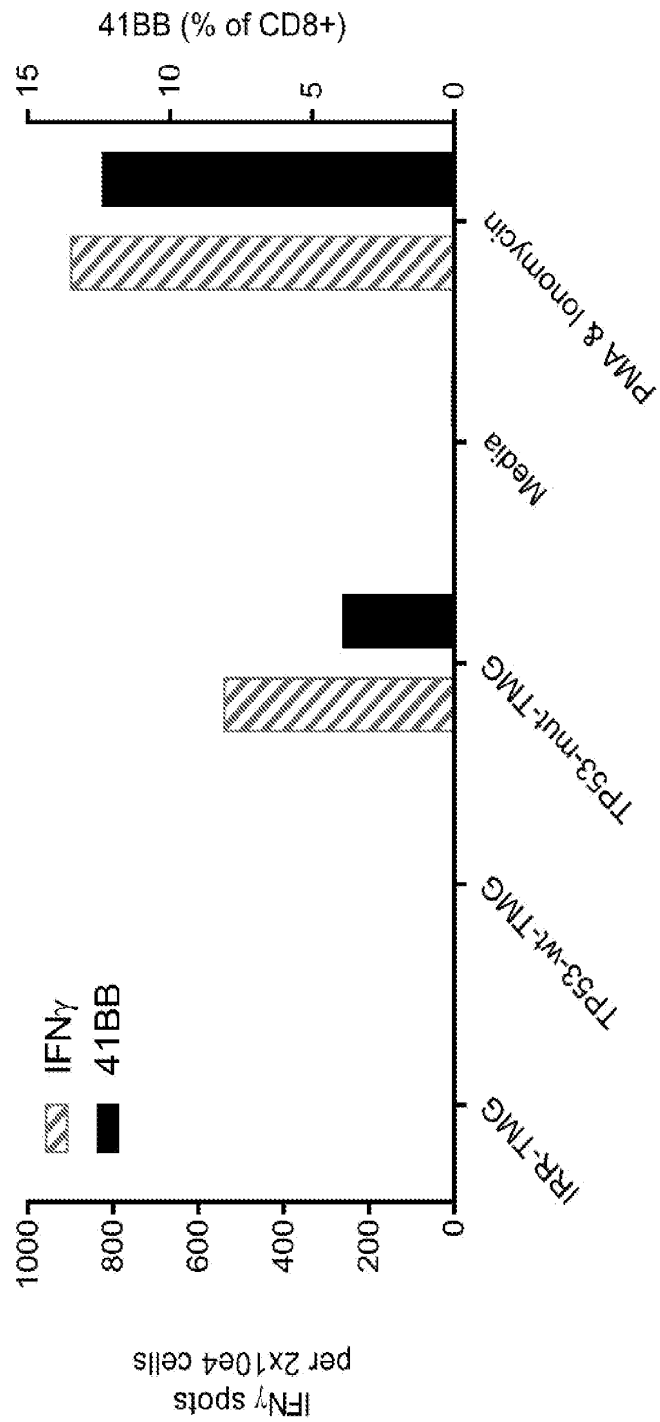


FIG. 10

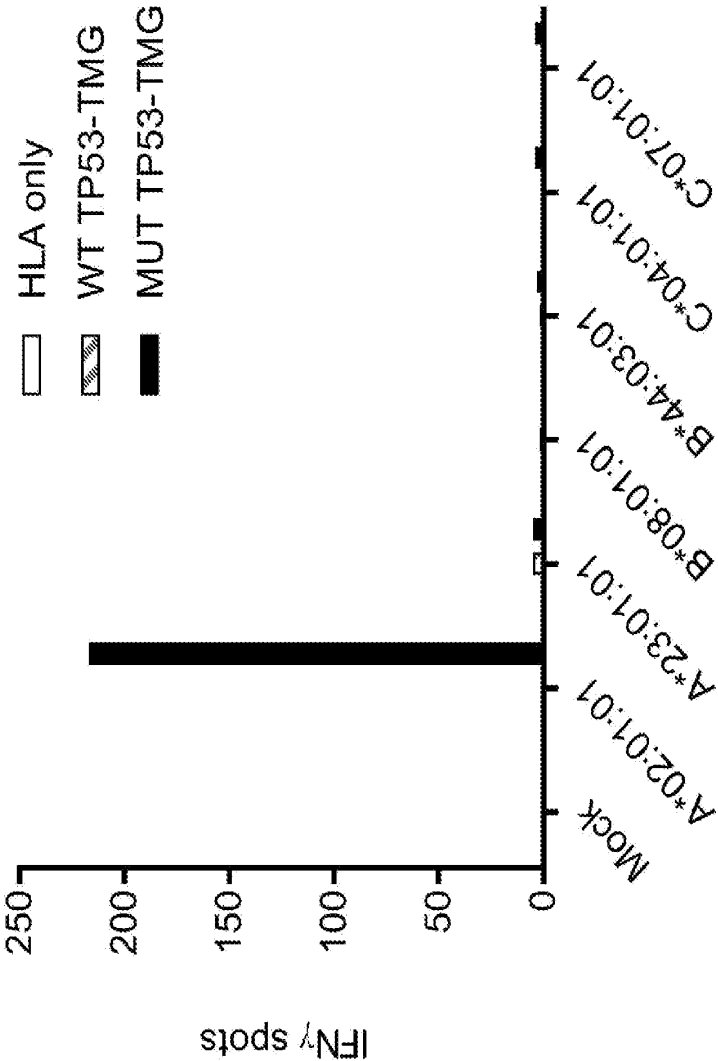


FIG. 11

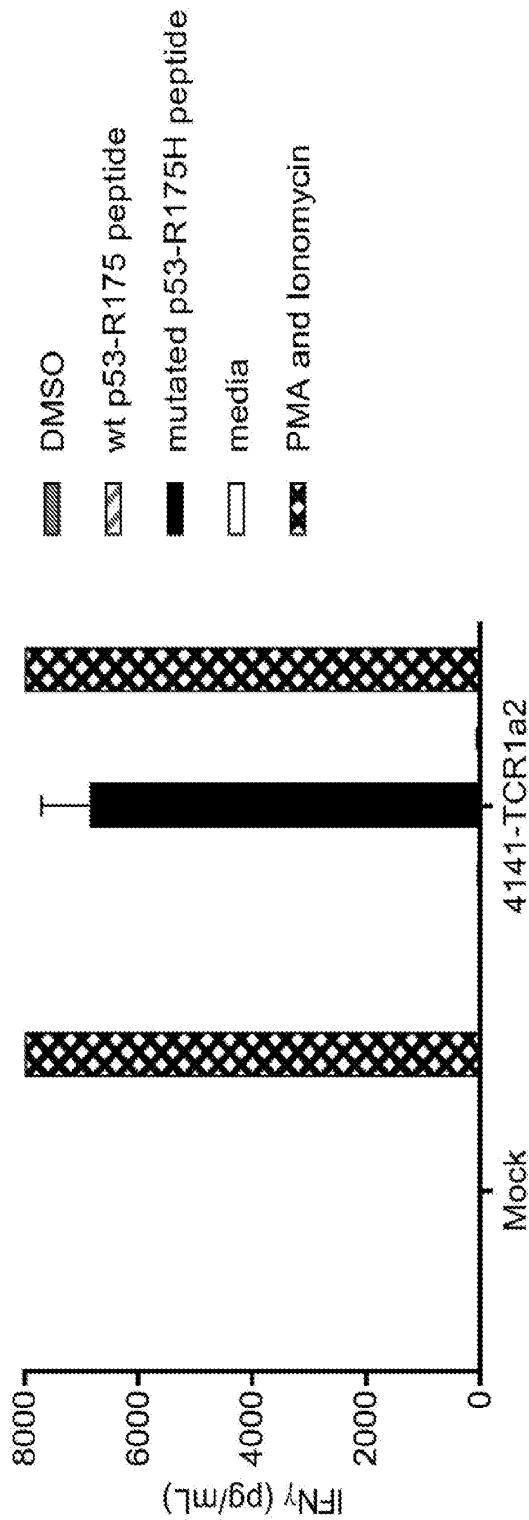


FIG. 12

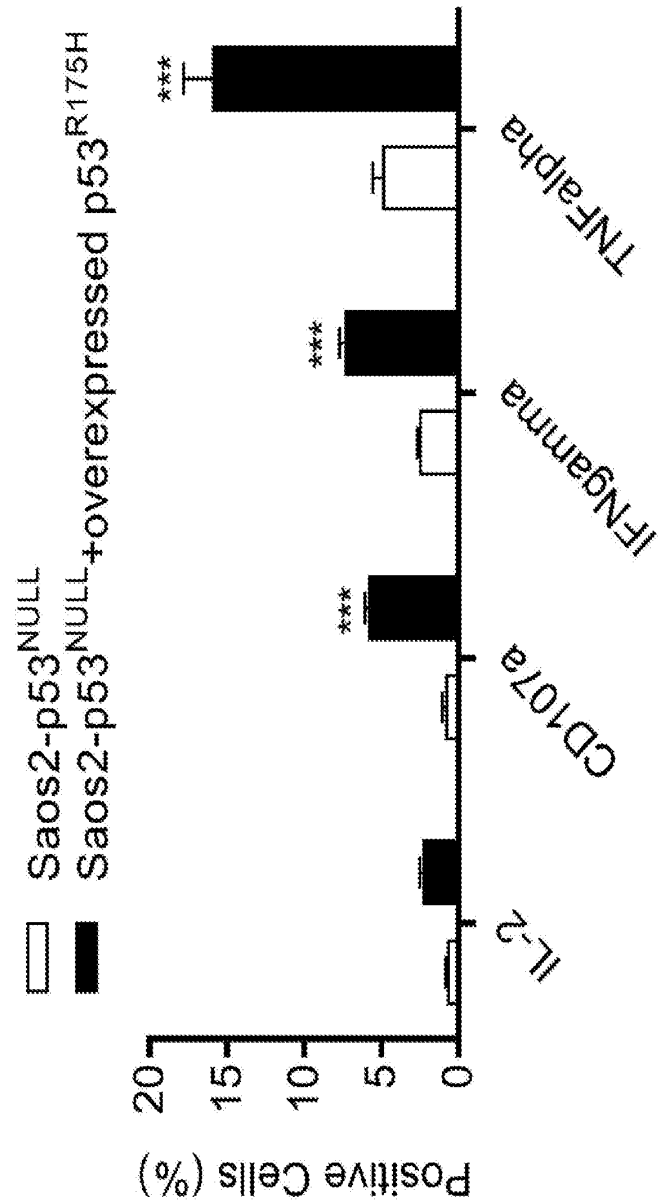


FIG. 13