Figure 1

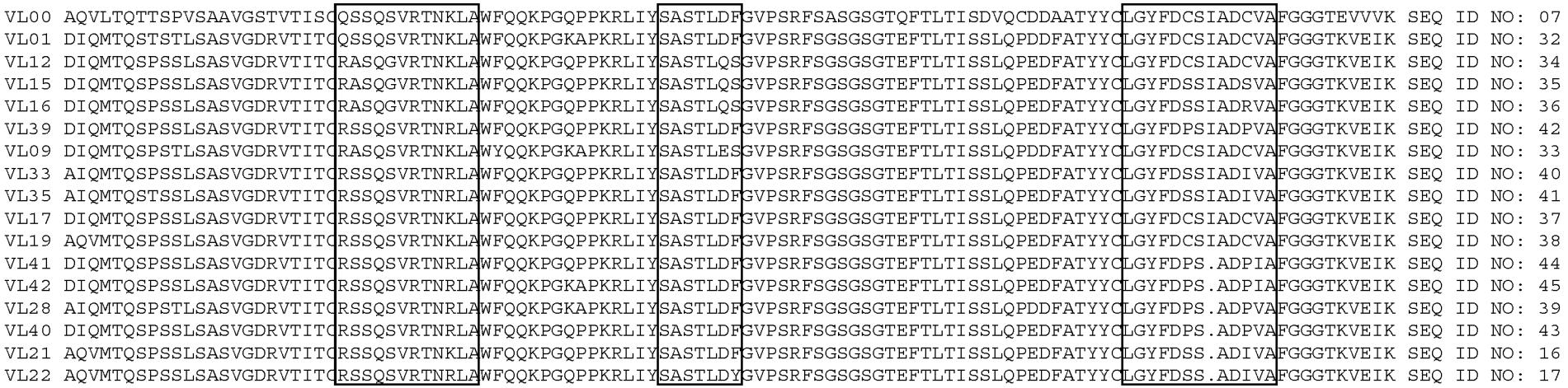

VL00 AQVLTQTTSPVSAAVGSTVTISCQSSQSVRTNKLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSASGSGTQFTLTISDVQCDDAATYYCLGYFDCSIADCVAFGGGTEVVVK SEQ ID NO: 07
VL01 DIQMTQSTSTLSASVGDRVTITCQSSQSVRTNKLAWFQQKPGKAPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPDDFATYYCLGYFDCSIADCVAFGGGTKVEIK SEQ ID NO: 32
VL12 DIQMTQSPSSLSASVGDRVTITCRASQGVRTNKLAWFQQKPGQPPKRLIYSASTLQSGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDCSIADCVAFGGGTKVEIK SEQ ID NO: 34
VL15 DIQMTQSPSSLSASVGDRVTITCRASQGVRTNKLAWFQQKPGQPPKRLIYSASTLQSGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDSSIADSVAFGGGTKVEIK SEQ ID NO: 35
VL16 DIQMTQSPSSLSASVGDRVTITCRASQGVRTNKLAWFQQKPGQPPKRLIYSASTLQSGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDSSIADRVAFGGGTKVEIK SEQ ID NO: 36
VL39 DIQMTQSPSSLSASVGDRVTITCRSSQSVRTNRLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDPSIADPVAFGGGTKVEIK SEQ ID NO: 42
VL09 DIQMTQSPSTLSASVGDRVTITCRASQSVRTNKLAWYQQKPGKAPKRLIYSASTLESGVPSRFSGSGSGTEFTLTISSLQPDDFATYYCLGYFDCSIADCVAFGGGTKVEIK SEQ ID NO: 33
VL33 AIQMTQSPSSLSASVGDRVTITCRSSQSVRTNRLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDSSIADIVAFGGGTKVEIK SEQ ID NO: 40
VL35 AIQMTQSTSSLSASVGDRVTITCRSSQSVRTNRLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDSSIADIVAFGGGTKVEIK SEQ ID NO: 41
VL17 DIQMTQSPSSLSASVGDRVTITCRSSQSVRTNKLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDCSIADCVAFGGGTKVEIK SEQ ID NO: 37
VL19 AQVMTQSPSSLSASVGDRVTITCRSSQSVRTNKLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDCSIADCVAFGGGTKVEIK SEQ ID NO: 38
VL41 DIQMTQSPSSLSASVGDRVTITCRSSQSVRTNRLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDPS.ADPIAFGGGTKVEIK SEQ ID NO: 44
VL42 DIQMTQSPSSLSASVGDRVTITCRSSQSVRTNRLAWFQQKPGKAPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDPS.ADPIAFGGGTKVEIK SEQ ID NO: 45
VL28 AIQMTQSPSTLSASVGDRVTITCRSSQSVRTNRLAWFQQKPGKAPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPDDFATYYCLGYFDPS.ADPVAFGGGTKVEIK SEQ ID NO: 39
VL40 DIQMTQSPSSLSASVGDRVTITCRSSQSVRTNRLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDPS.ADPVAFGGGTKVEIK SEQ ID NO: 43
VL21 AQVMTQSPSSLSASVGDRVTITCRSSQSVRTNKLAWFQQKPGQPPKRLIYSASTLDFGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDSS.ADIVAFGGGTKVEIK SEQ ID NO: 16
VL22 AQVMTQSPSSLSASVGDRVTITCRSSQSVRTNRLAWFQQKPGQPPKRLIYSASTLDYGVPSRFSGSGSGTEFTLTISSLQPEDFATYYCLGYFDSS.ADIVAFGGGTKVEIK SEQ ID NO: 17

Figure 2

(A)

```
VH00 .QSVEESGGRLVTPGTPLTLTCTVSGFSLSSNAINWVRQAPGKGLEWIGYIAVSGNTYYASWAKGRFTISKAST..TVDLKMTSPTAEDTGTYFCGKSNIWGPGTLVTVSL SEQ ID NO: 11
VH01 .QQLVESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 46
VH02 .QSVLESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGPGTLVTVSS SEQ ID NO: 47
VH15 .QSVVESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGPGTLVTVSS SEQ ID NO: 51
VH04 .QSVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDST..TLYLQMNSLRAEDTAVYYCGKSNIWGPGTLVTVSS SEQ ID NO: 49
VH03 .QSVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGPGTLVTVSS SEQ ID NO: 48
VH22 EVQLLESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 54
VH24 EVQLLESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYADSVKGRFTISKDNSKNTVYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 56
VH23 EVQVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYADSVKGRFTISKDNSKNTVYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 55
VH31 EVQVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISKDNSKNTVYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 57
VH32 EVQVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDNSKNTVYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 19
```

(B)

```
VH00 .QSVEESGGRLVTPGTPLTLTCTVSGFSLSSNAINWVRQAPGKGLEWIGYIAVSGNTYYASWAKGRFTISKAST..TVDLKMTSPTAEDTGTYFCGKSNIWGPGTLVTVSL SEQ ID NO: 11
VH04 .QSVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDST..TLYLQMNSLRAEDTAVYYCGKSNIWGPGTLVTVSS SEQ ID NO: 49
VH01 .QQLVESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 46
VH03 .QSVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGPGTLVTVSS SEQ ID NO: 48
VH18 .QQLVESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 52
VH19 .QQLVESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYADSVKGRFTISKDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 53
VH24 EVQLLESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYADSVKGRFTISKDNSKNTVYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 56
VH22 EVQLLESGGGLVQPGGSLRLSCAASGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 54
VH31 EVQVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISKDNSKNTVYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 57
VH32 EVQVLESGGGLVQPGGSLRLSCAVSGFSLSSNAINWVRQAPGKGLEWVGYIAVSGNTYYASWAKGRFTISRDNSKNTVYLQMNSLRAEDTAVYYCGKSNIWGQGTLVTVSS SEQ ID NO: 19
```

Figure 3

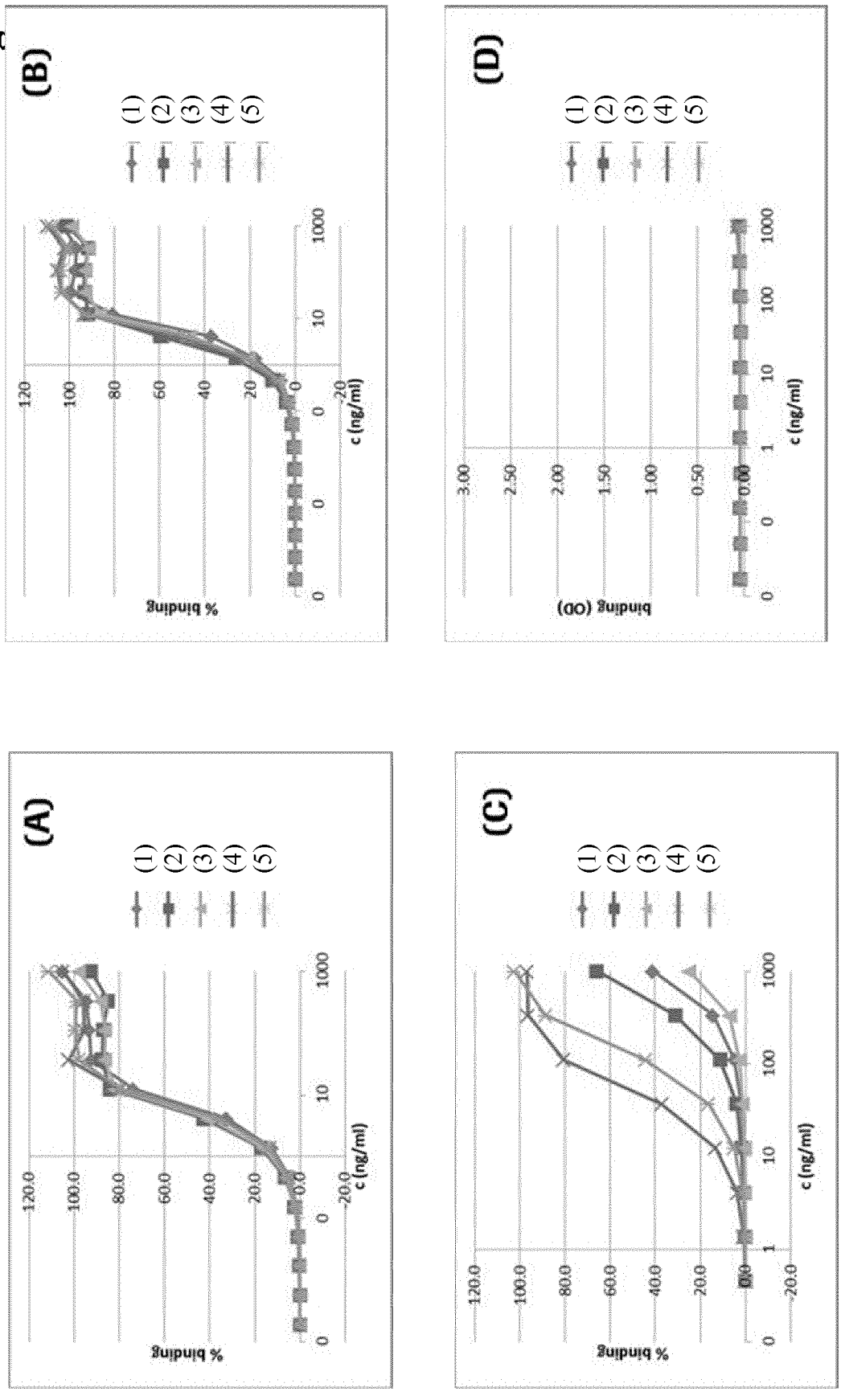
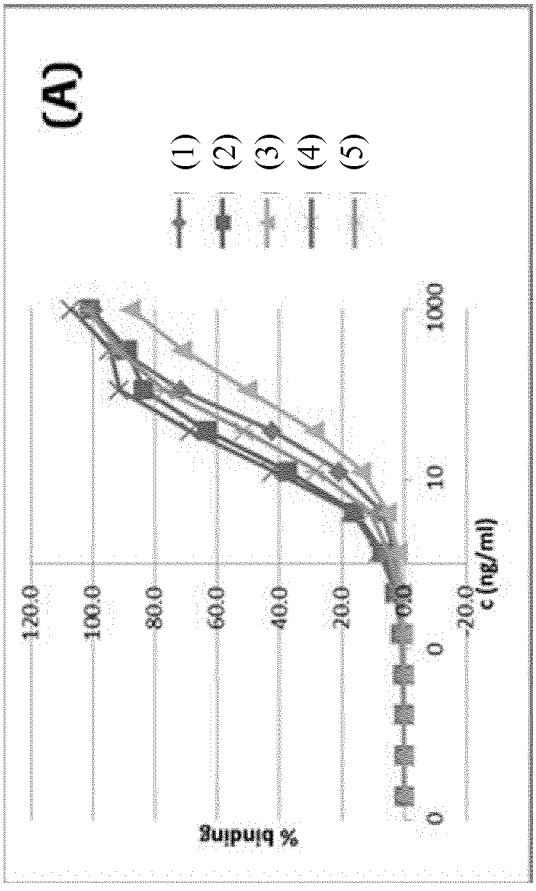


Figure 4


(A)
(1)
(2)
(3)
(4)
(5)
% binding
120.0
100.0
80.0
60.0
40.0
20.0
0.0
0
-20.0
10
1000
c (ng/ml)

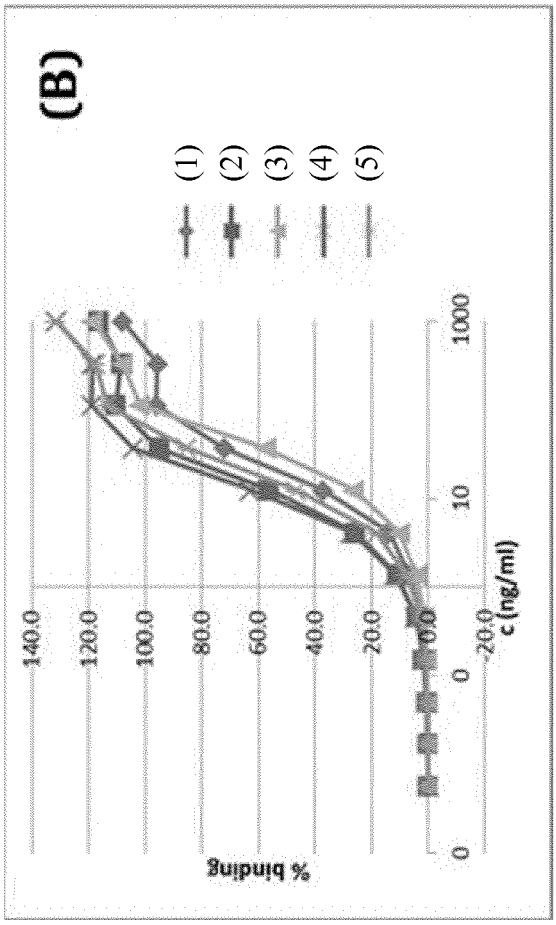

(B)
(1)
(2)
(3)
(4)
(5)
% binding
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
0
-20.0
10
1000
c (ng/ml)

Figure 5

All antibodies: 1 ug/ml

Recombinant Tau:

1. pTau
2. Tau
3. pTau(S422A)
4. Tau(S422A)

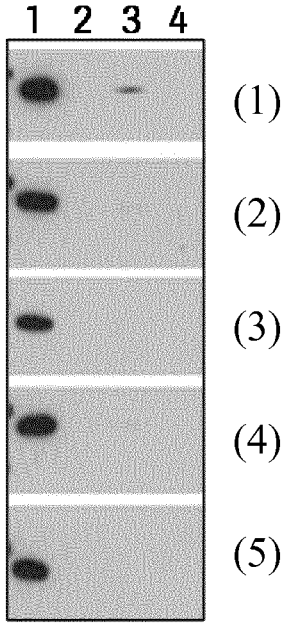


Figure 6

