

Fig. 1A

|                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27   |      |
|-----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|
| Common sequence | S | x | A | V | A | G | A | V | I | E  | G  | A  | S  | L  | T  | F  | Q  | V  | L  | D  | K  | K  | V  | L  | x  | x  | L    | G    |
| fragaceatoxin C | . | A | D | . | . | . | . | . | . | D  | .  | .  | G  | .  | G  | .  | D  | .  | .  | K  | T  | .  | .  | E  | A  | .  | .    | [28] |
| Urticinatoxin   | . | V | . | I | . | . | . | . | . | .  | .  | K  | .  | .  | .  | G  | I  | .  | E  | .  | I  | .  | T  | V  | .  | .  | [28] |      |
| Equinatoxin II  | . | A | D | . | . | . | . | . | . | D  | .  | .  | .  | S  | .  | D  | I  | .  | K  | T  | .  | .  | E  | A  | .  | .  | [28] |      |
| Equinatoxin IV  | . | V | . | . | . | . | . | I | . | K  | .  | .  | A  | .  | .  | N  | .  | .  | Q  | T  | .  | .  | K  | A  | .  | .  | [28] |      |
| Equinatoxin V   | . | V | . | . | . | . | . | . | . | .  | .  | T  | .  | .  | .  | N  | .  | .  | Q  | T  | .  | .  | K  | A  | .  | .  | [28] |      |
| Bandaporin      | . | L | . | . | . | . | . | . | . | .  | G  | N  | .  | .  | V  | M  | S  | .  | .  | .  | R  | I  | .  | E  | A  | I  | .    | [28] |
| HmgIII          | . | A | . | L | . | . | . | T | I | .  | .  | .  | .  | .  | G  | .  | I  | .  | .  | .  | .  | .  | G  | E  | .  | .  | [28] |      |
| RTX-A           | . | . | . | L | . | . | . | I | . | A  | .  | .  | .  | .  | .  | I  | .  | .  | .  | .  | .  | .  | A  | E  | .  | .  | [26] |      |
| RTX-SII         | . | A | . | L | . | . | . | T | I | T  | L  | .  | .  | .  | G  | .  | I  | .  | .  | .  | .  | .  | G  | E  | .  | .  | [28] |      |
| Src II          | K | I | S | - | G | . | T | . | A | A  | G  | R  | .  | .  | L  | D  | L  | .  | K  | T  | L  | .  | G  | T  | .  | .  | [27] |      |
| Sticholysin I   | x | S | E | L | . | . | T | I | . | D  | .  | .  | .  | .  | .  | E  | .  | .  | .  | .  | .  | .  | G  | E  | .  | .  | [27] |      |
| Sticholysin II  | x | . | . | L | . | . | T | I | . | A  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | E  | E  | .  | .  | [26] |      |
| CITOX I         | . | V | . | . | . | . | . | . | . | Q  | .  | .  | A  | .  | A  | .  | .  | .  | .  | .  | .  | I  | .  | T  | S  | .  | [28] |      |
| CITOX II        | N | A | . | . | . | . | . | . | . | Q  | .  | .  | T  | .  | .  | .  | .  | .  | R  | I  | .  | .  | T  | V  | .  | .  | [28] |      |
| Nigrelysin      | . | L | E | . | . | . | . | . | M | .  | .  | .  | N  | .  | G  | M  | S  | .  | Q  | T  | I  | .  | Q  | A  | I  | .  | [28] |      |
| Gigantoxin-4    | A | S | . | . | . | . | T | I | . | .  | .  | .  | .  | .  | .  | .  | I  | .  | .  | .  | .  | .  | T  | E  | .  | .  | [28] |      |

Fig. 1B

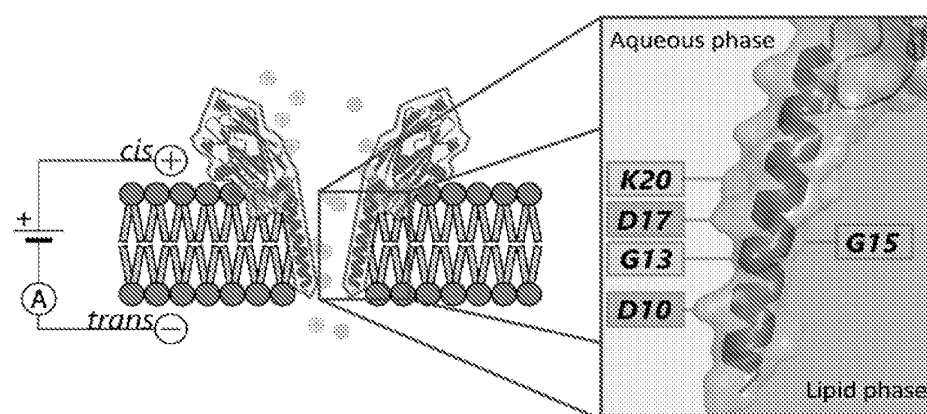


Fig. 1C

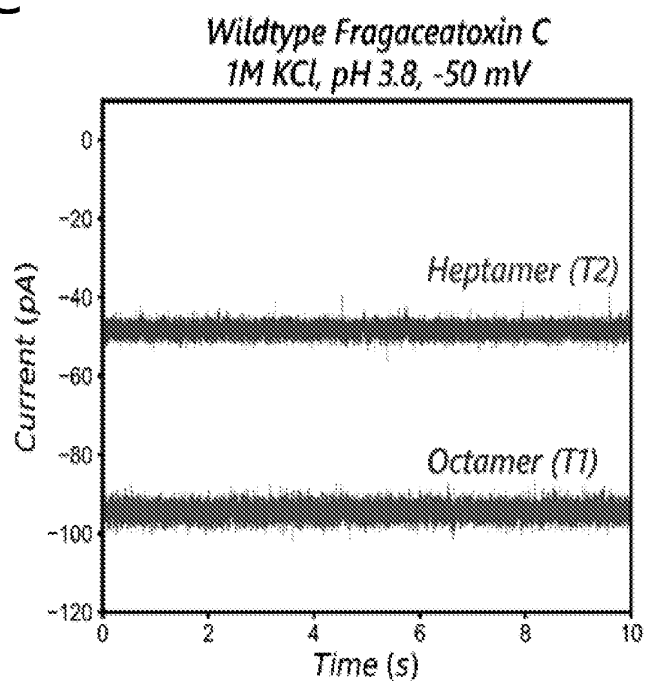


Fig. 2

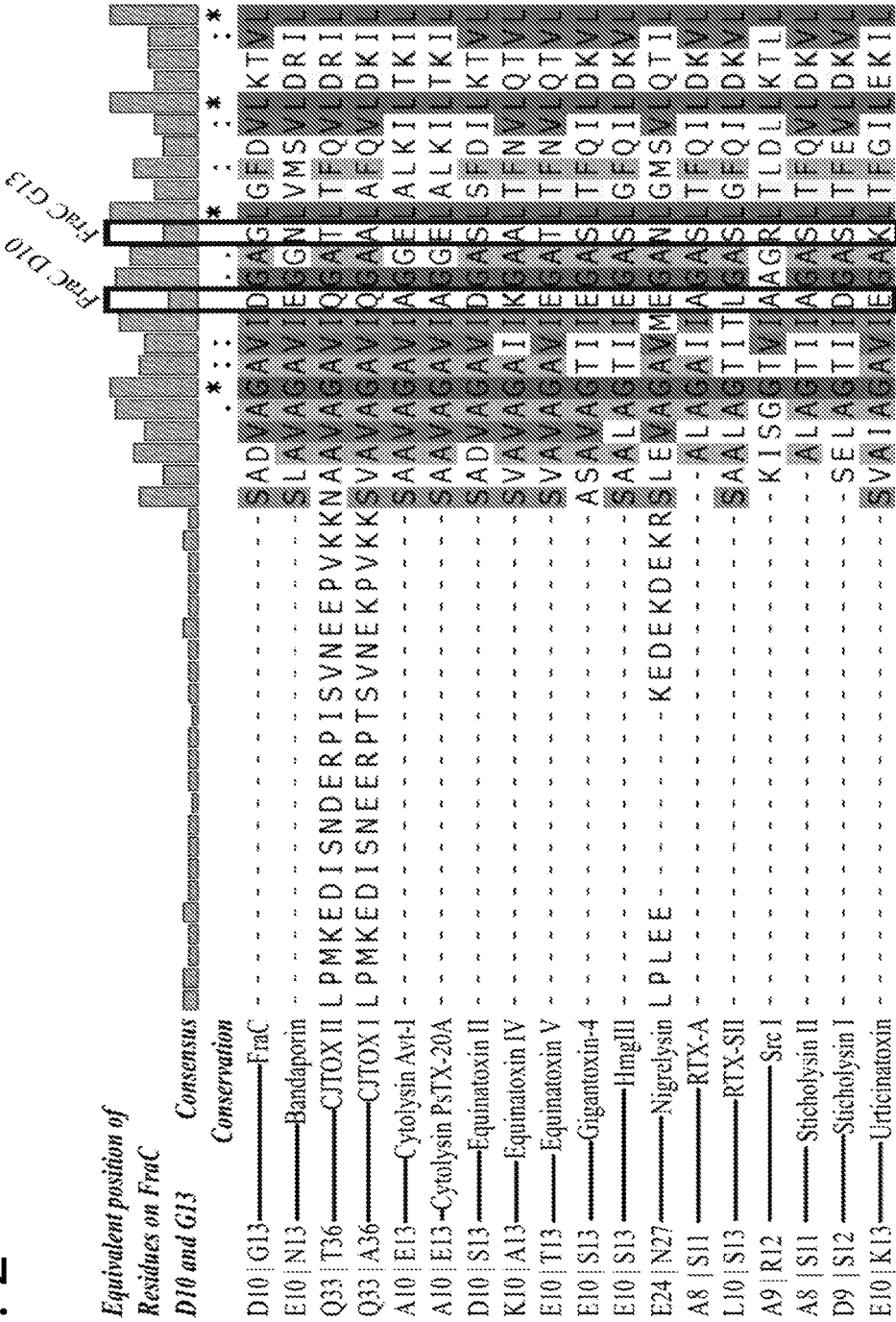


Fig. 3A

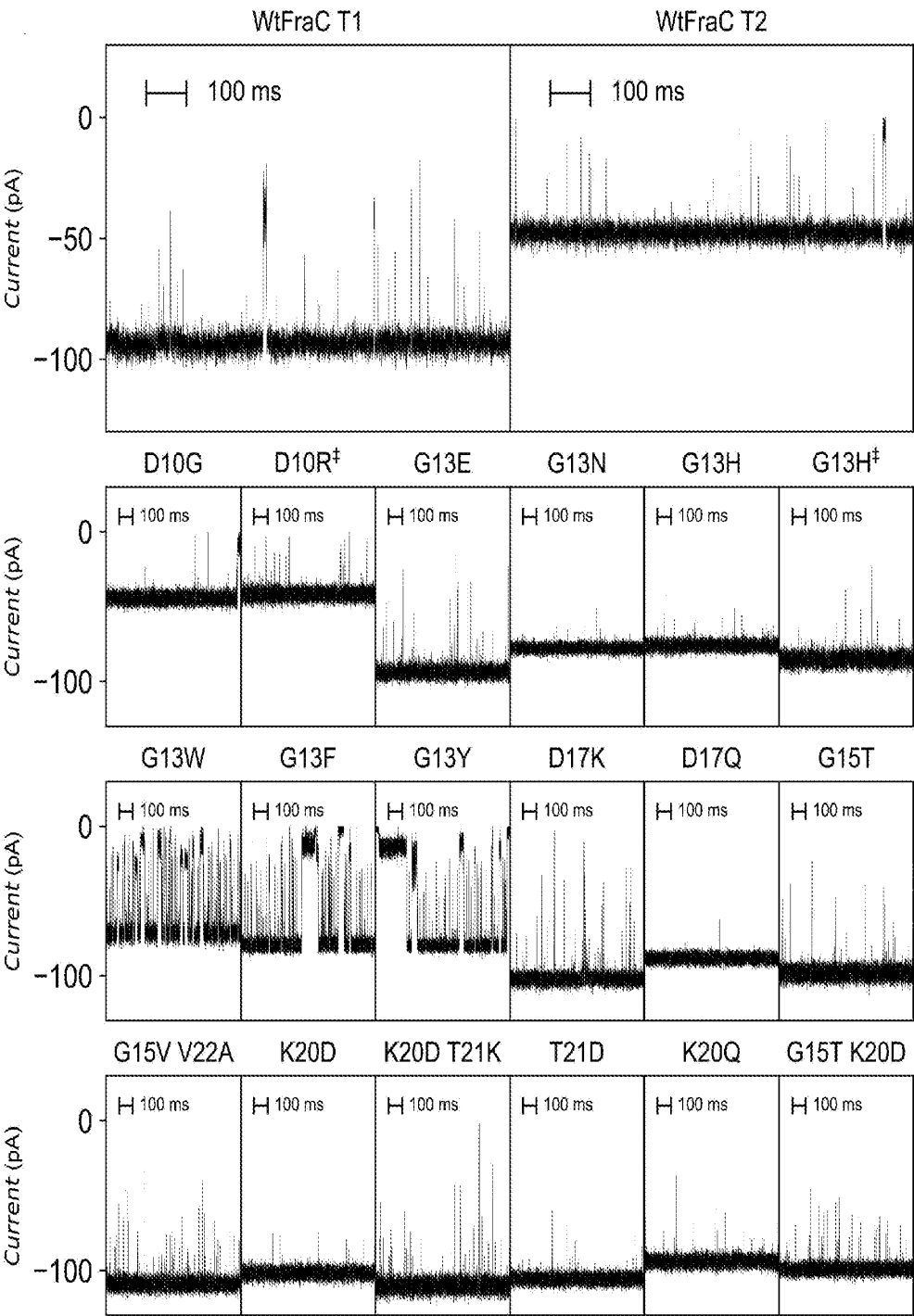


Fig. 3B

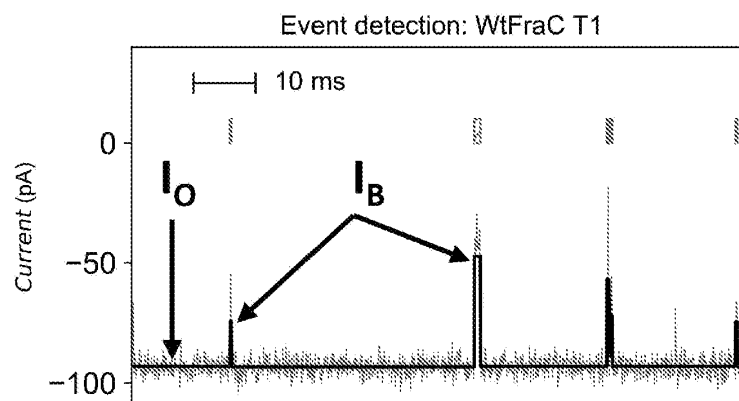


Fig. 3C

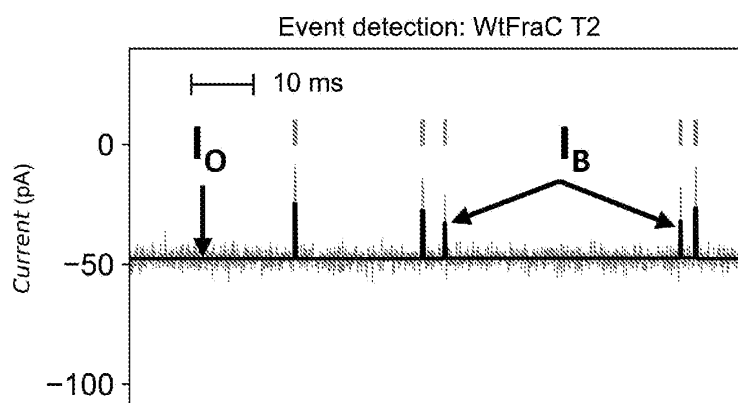
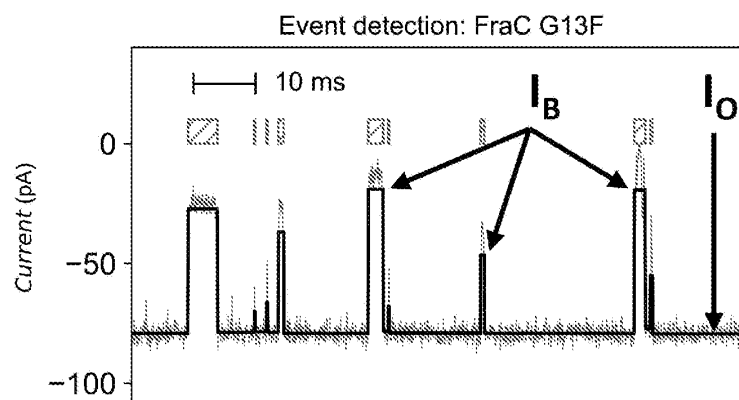


Fig. 3D



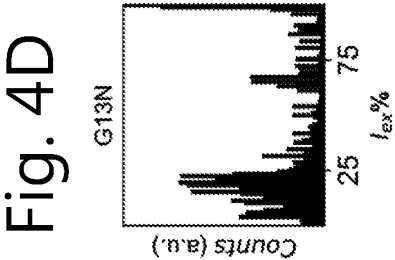
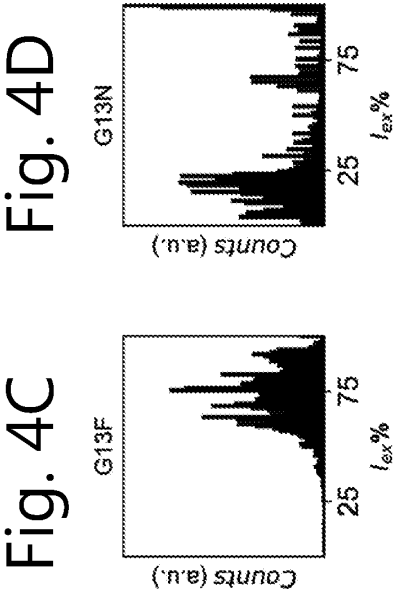
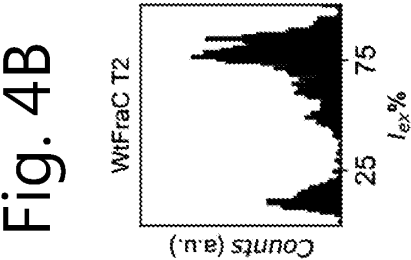
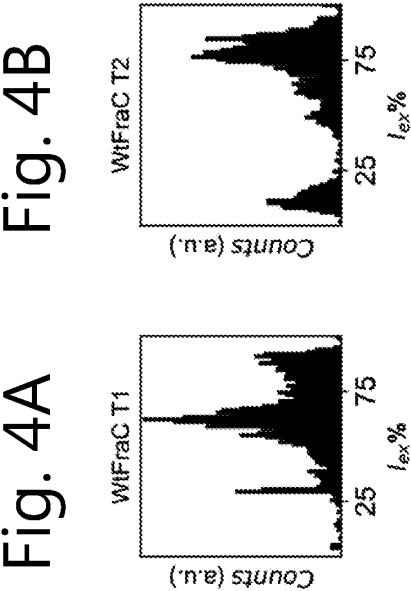
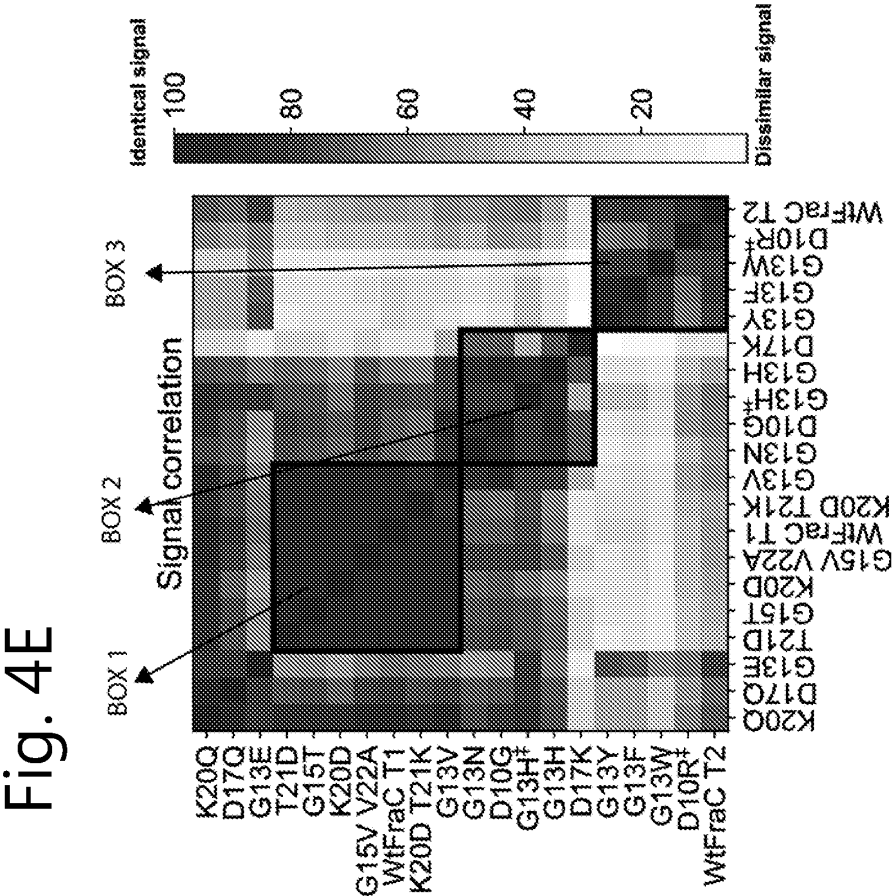


Fig. 5

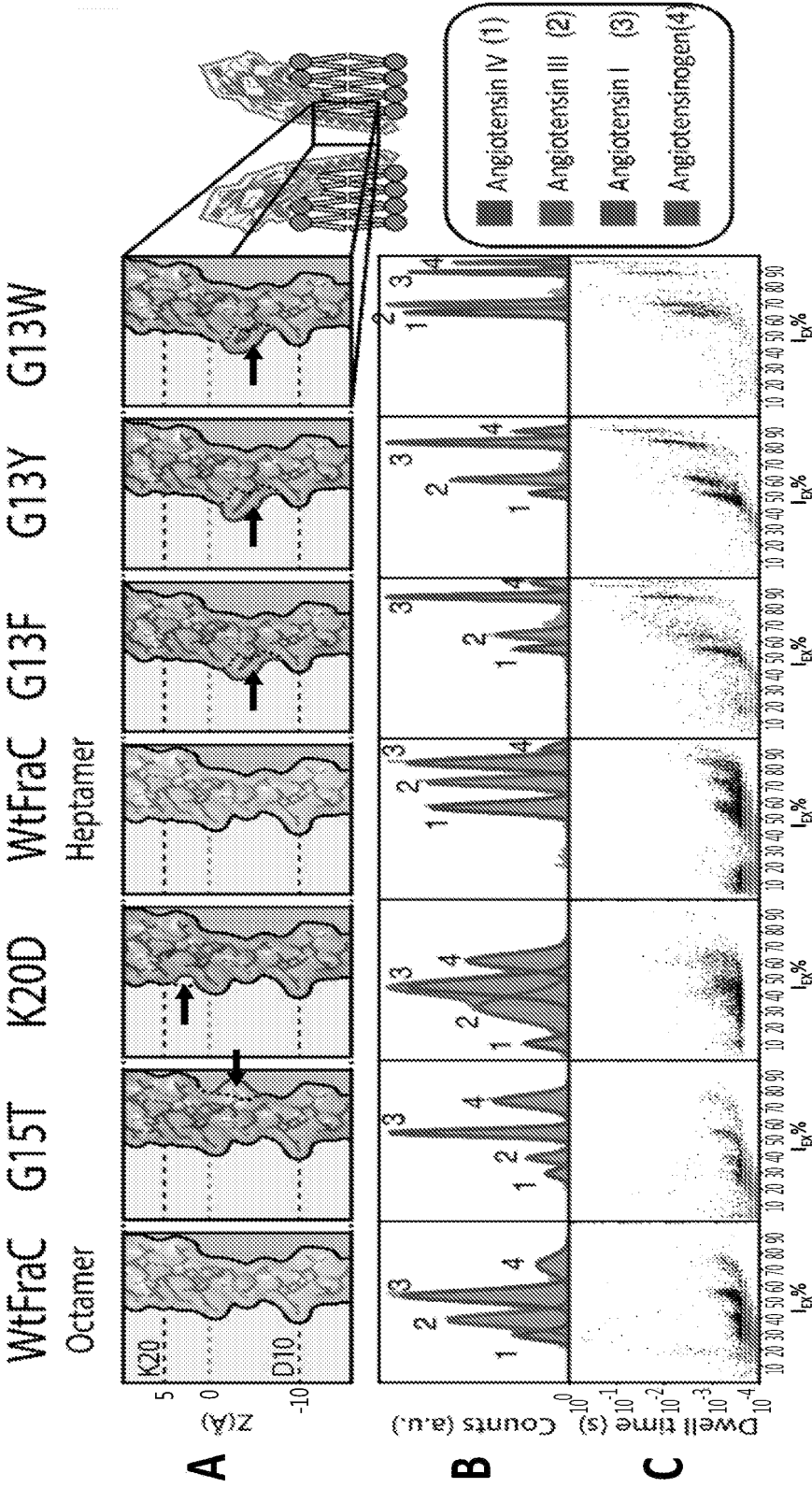


Fig. 6

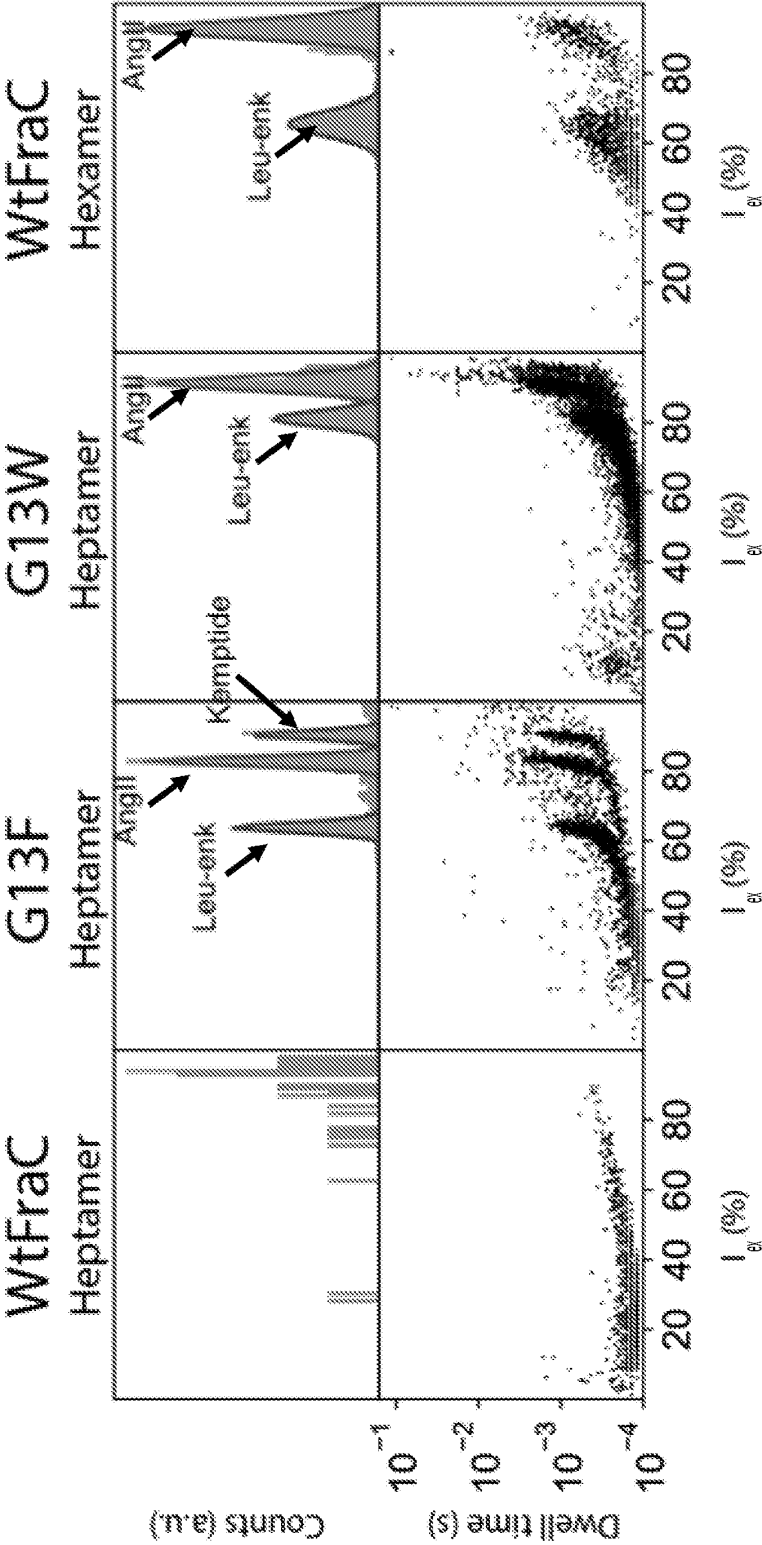


Fig. 7

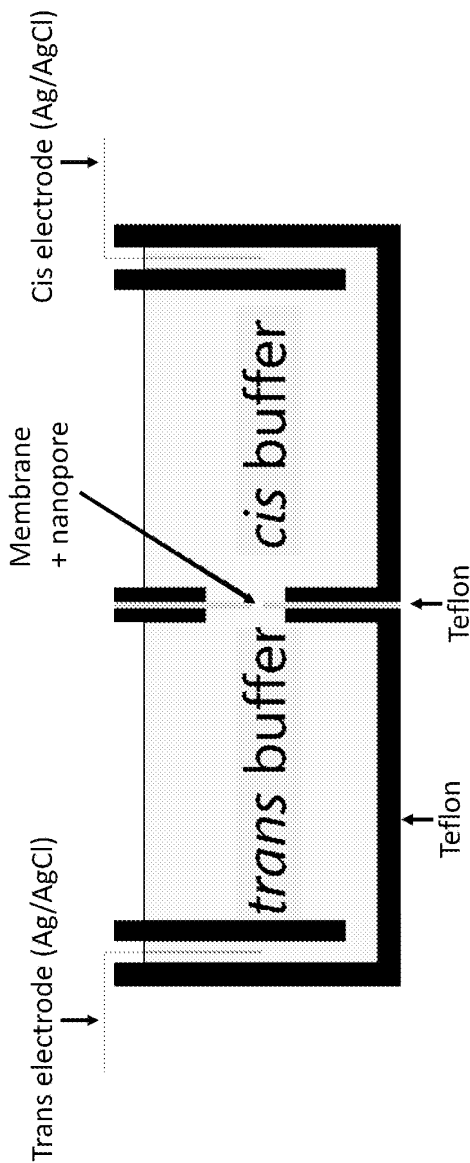


Fig. 8B

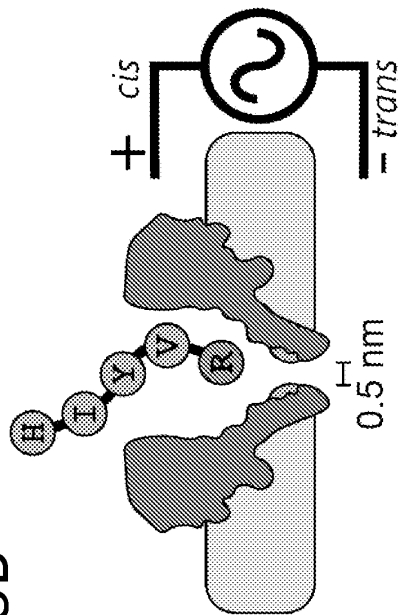


Fig. 8A

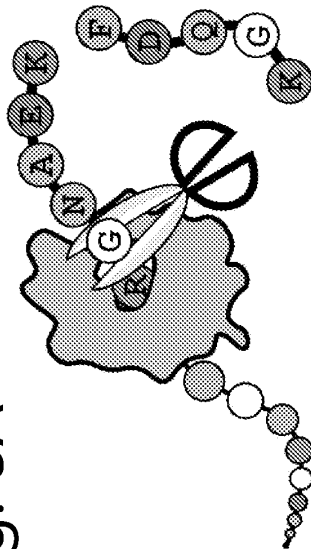


Fig. 8C

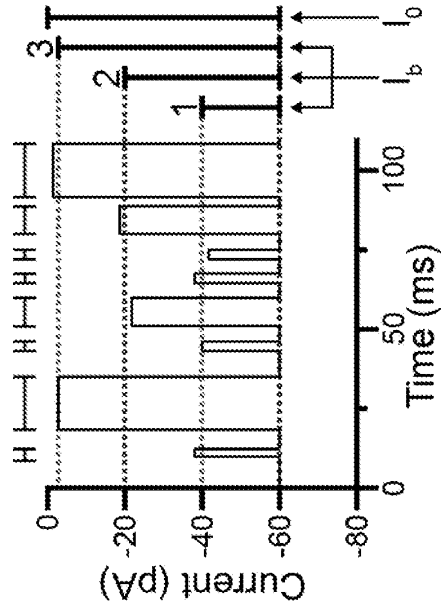


Fig. 8D

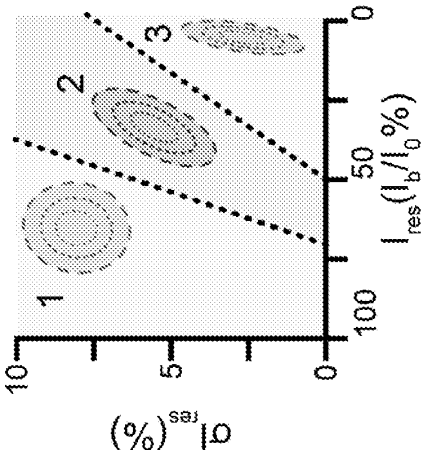


Fig. 9B

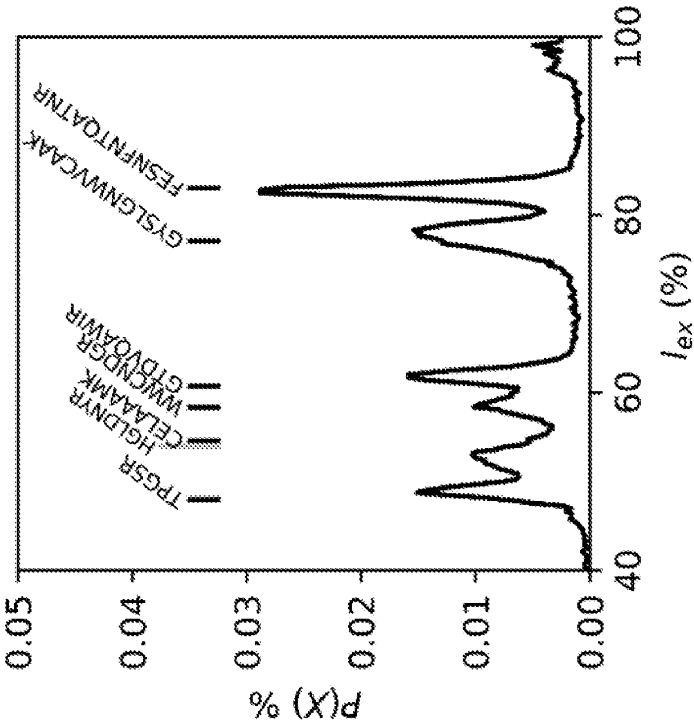


Fig. 9A

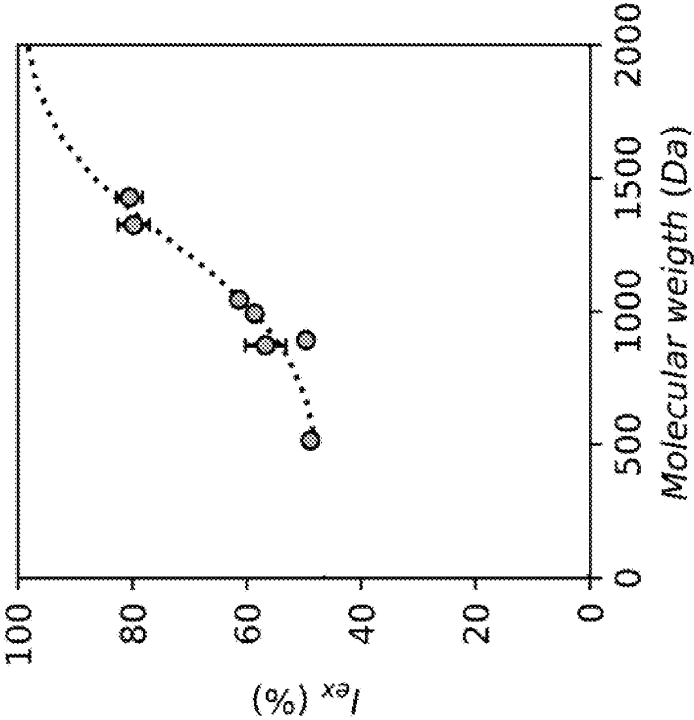


Fig. 10B

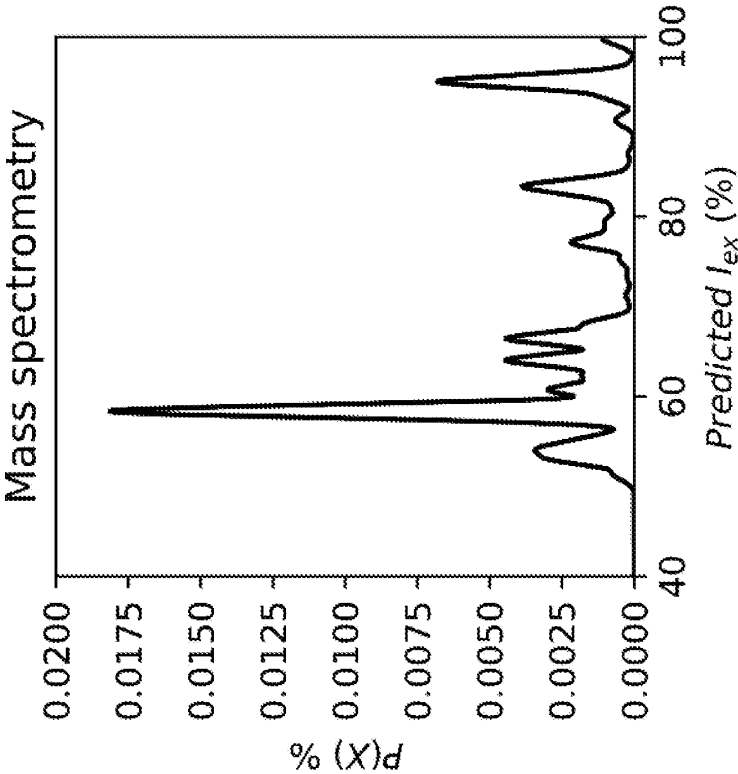


Fig. 10A

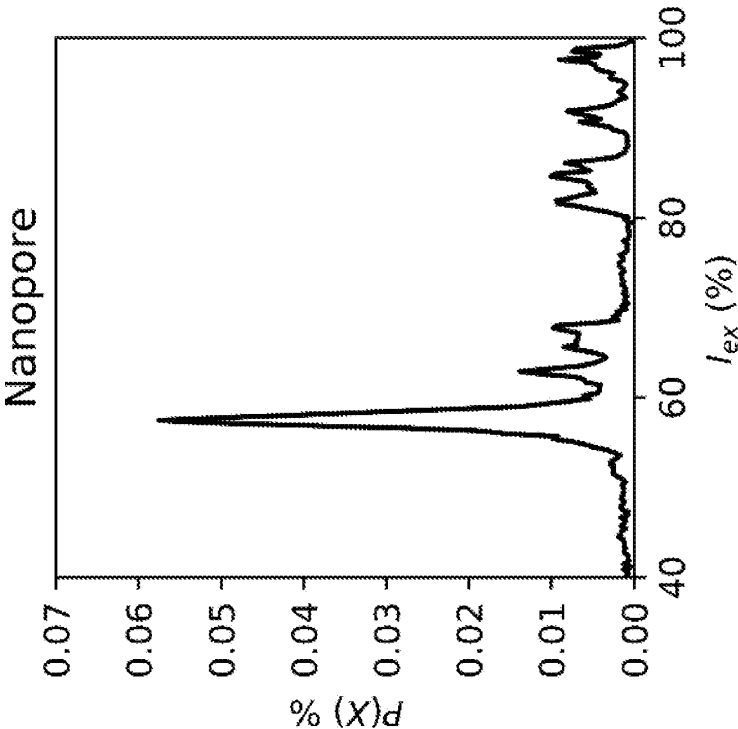


Fig. 11A

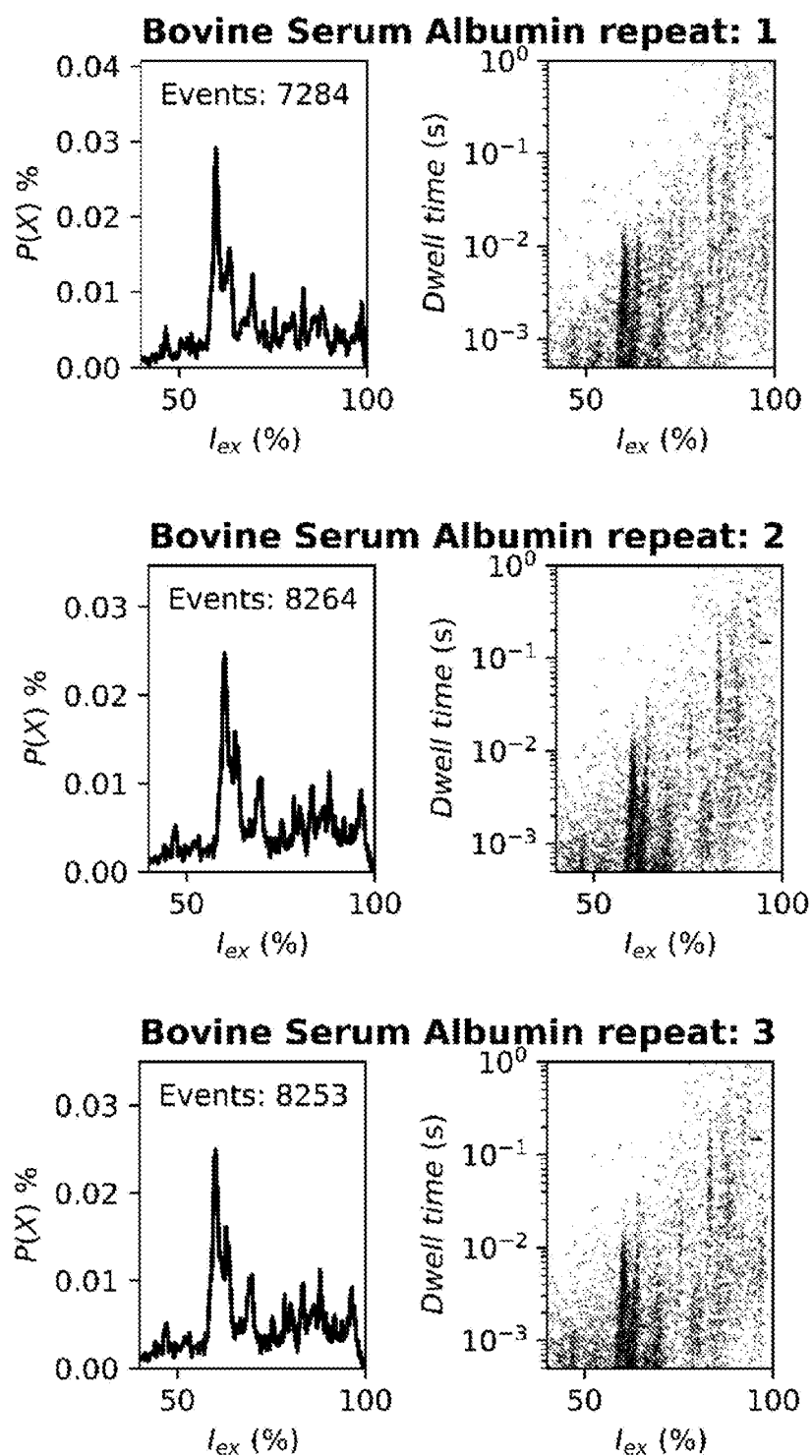


Fig. 11B

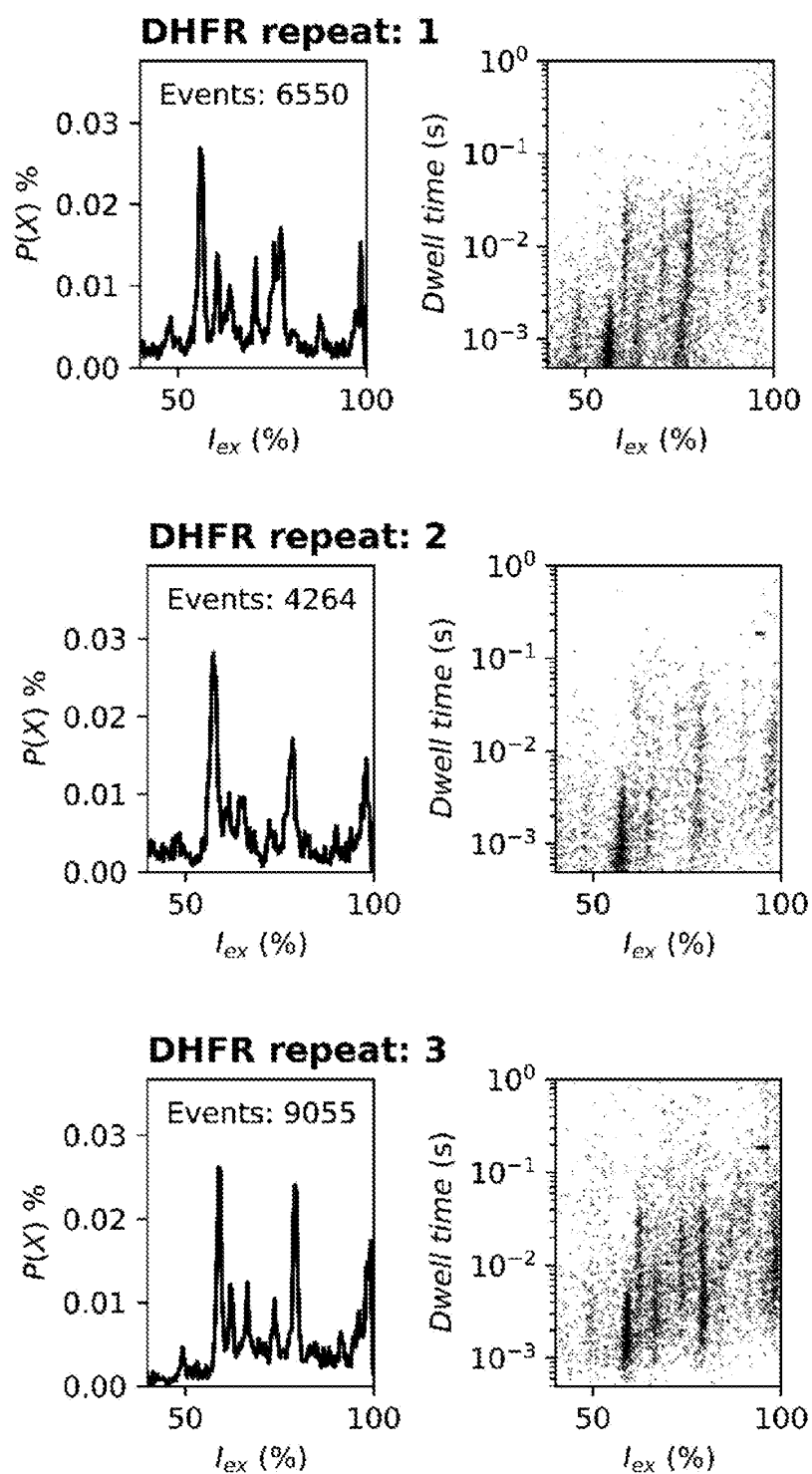


Fig. 11C

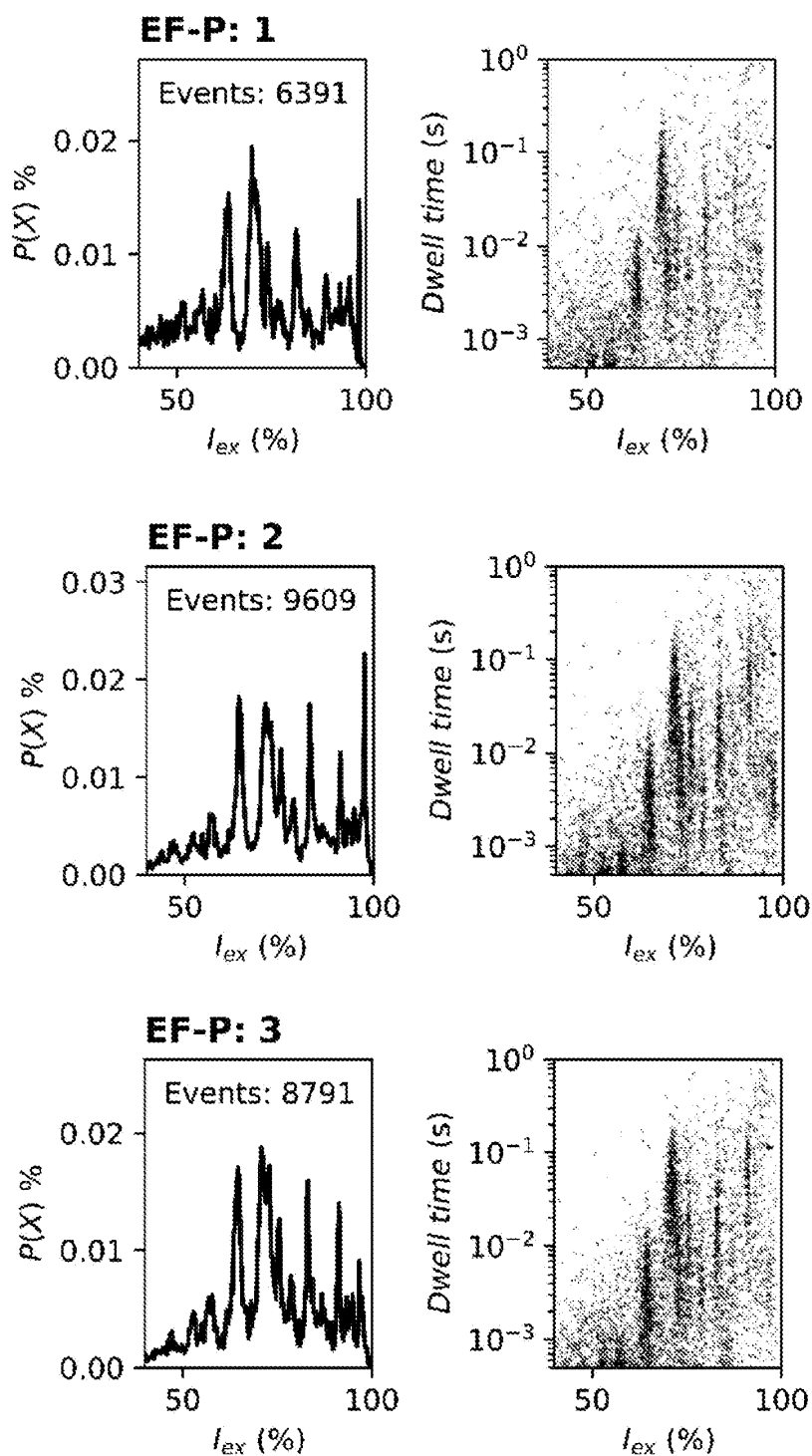


Fig. 12A

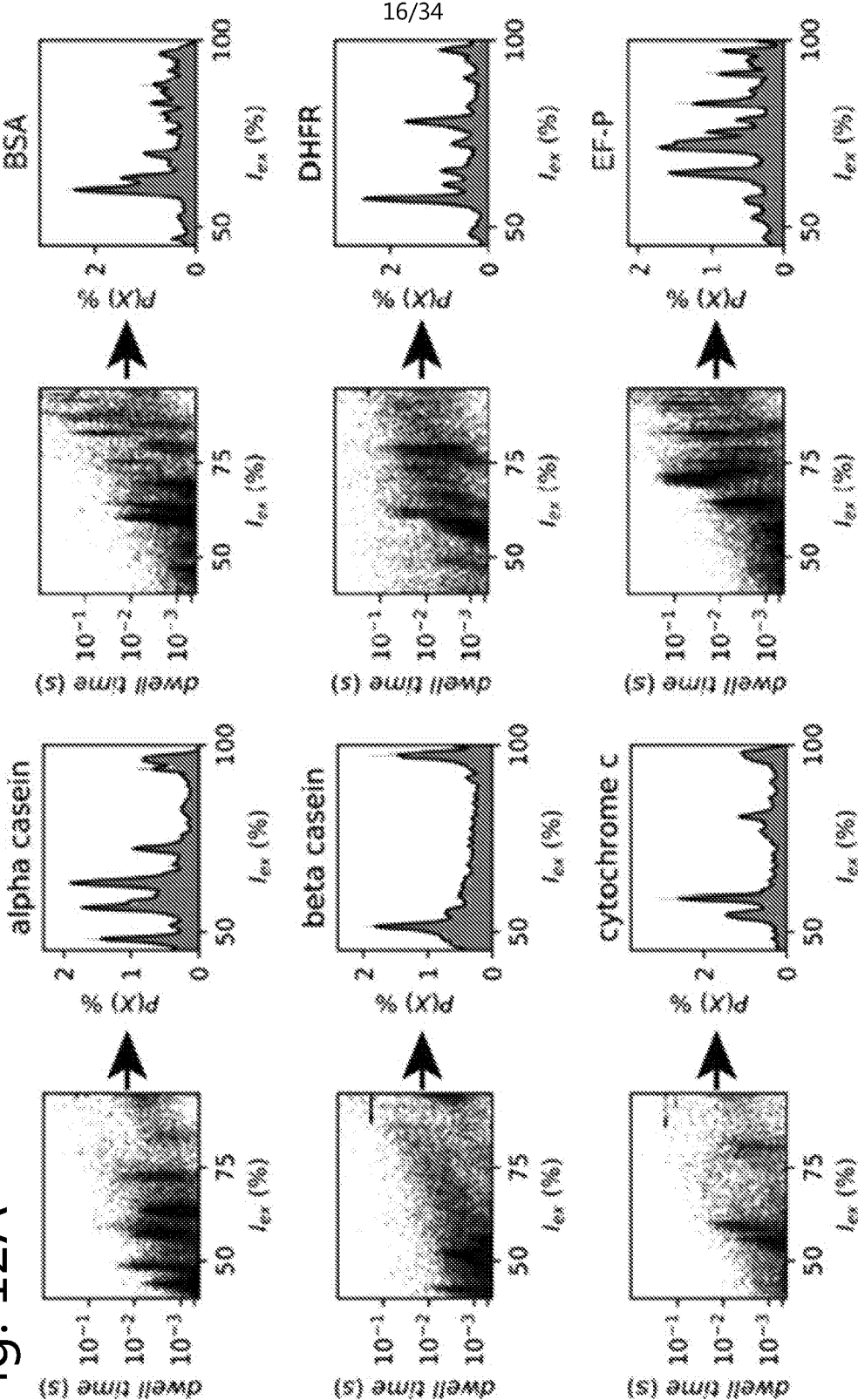


Fig. 12A cont.

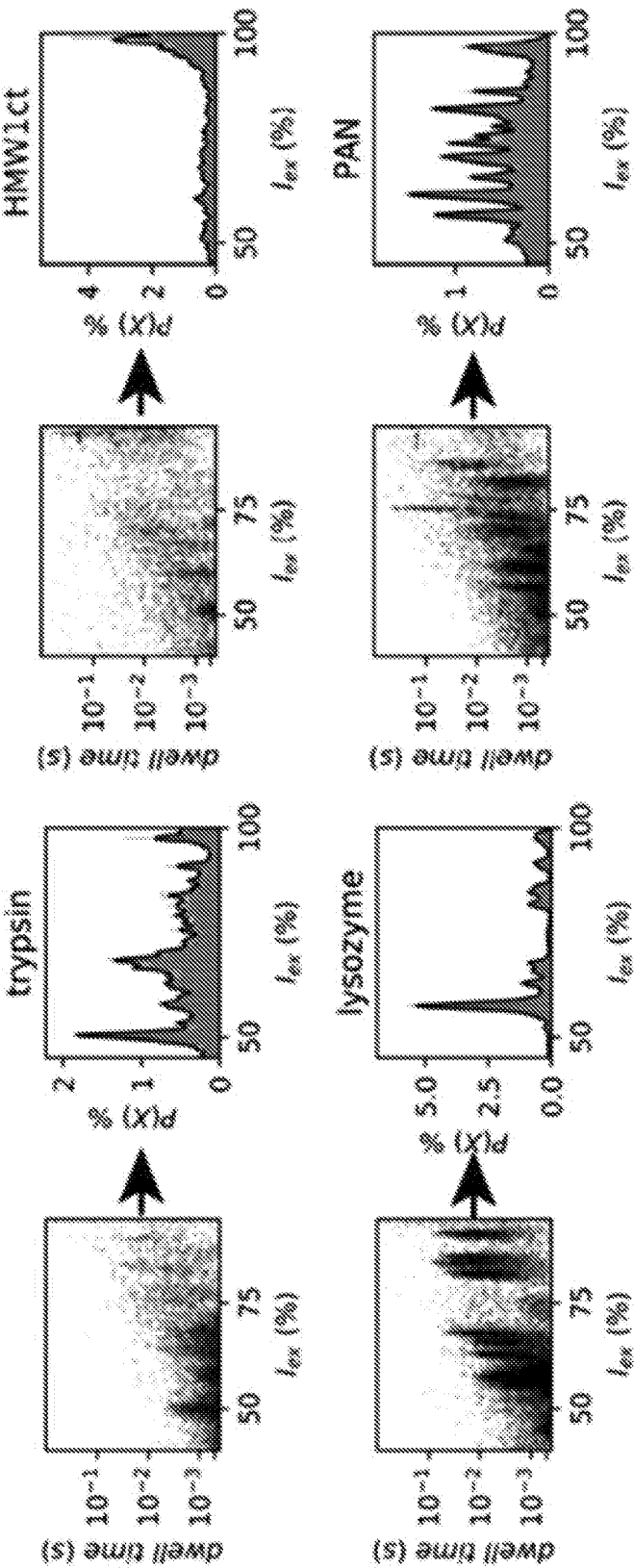


Fig. 12B

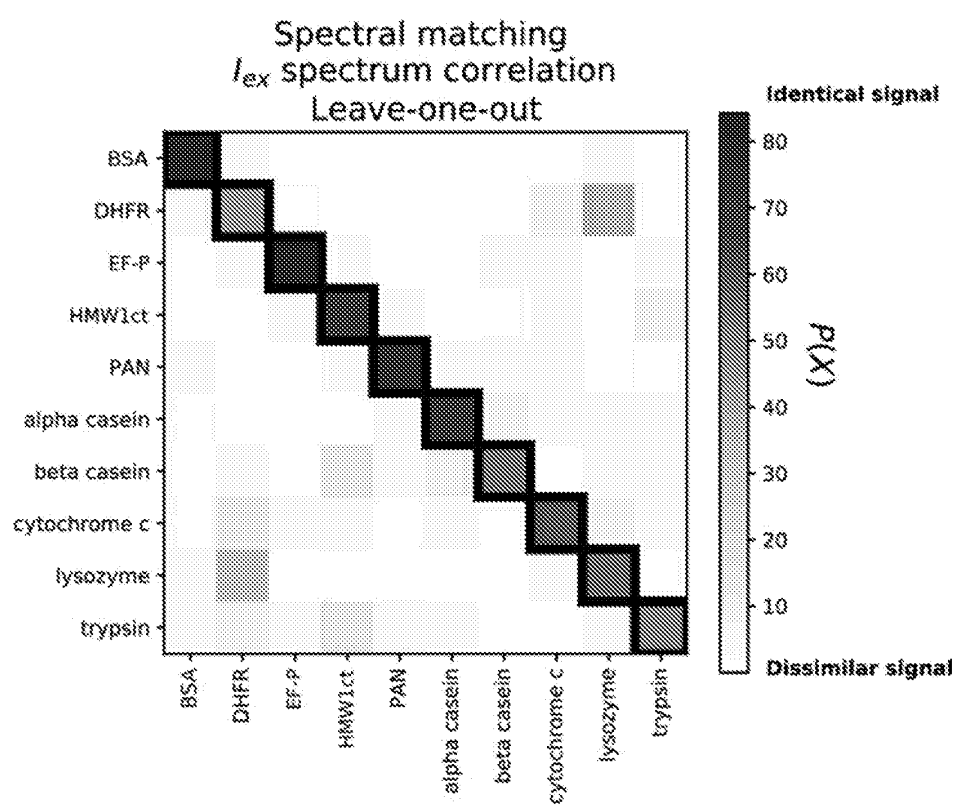


Fig. 13

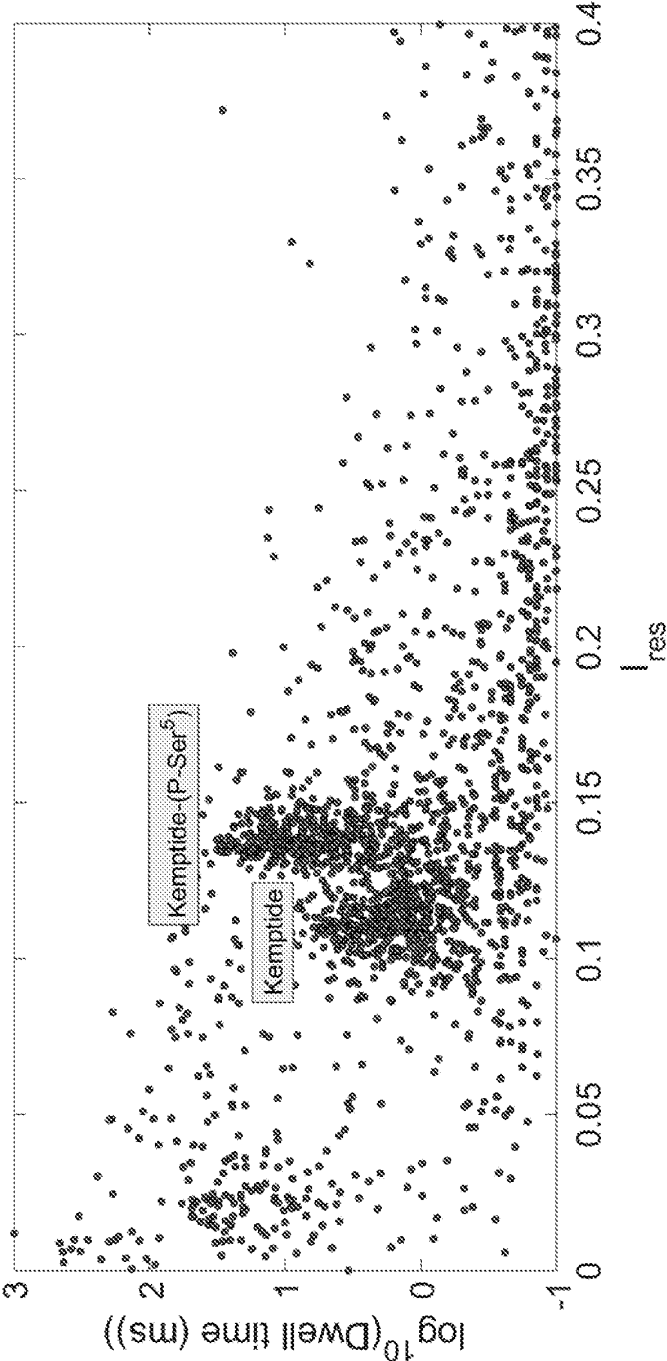


Fig. 14

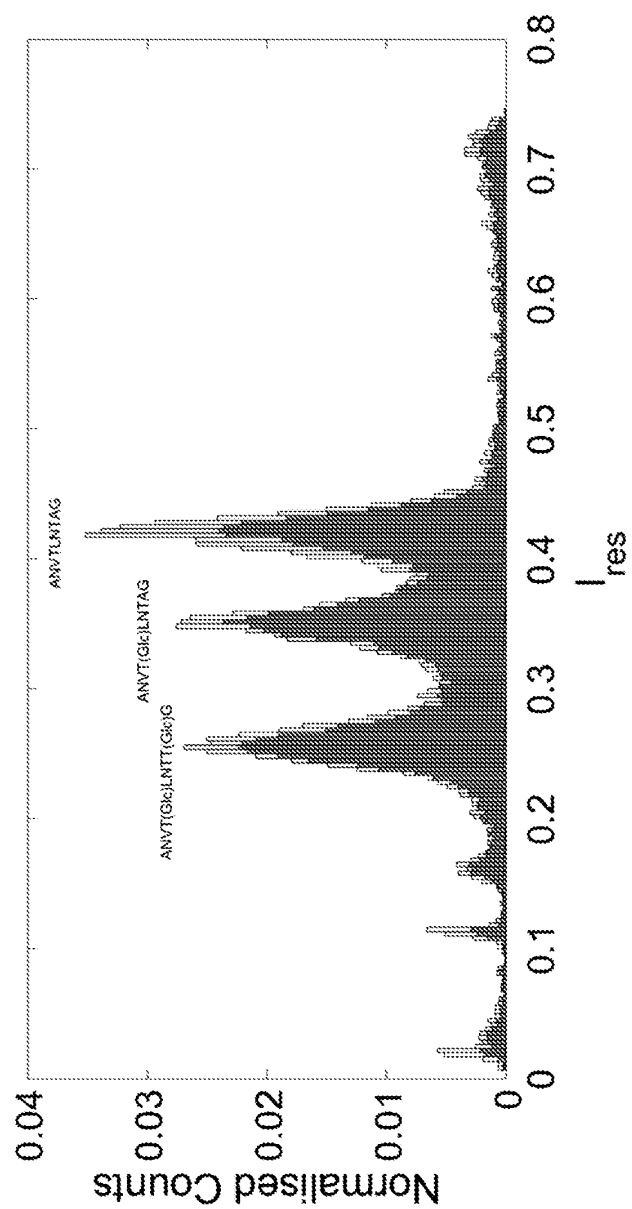


Fig. 15B

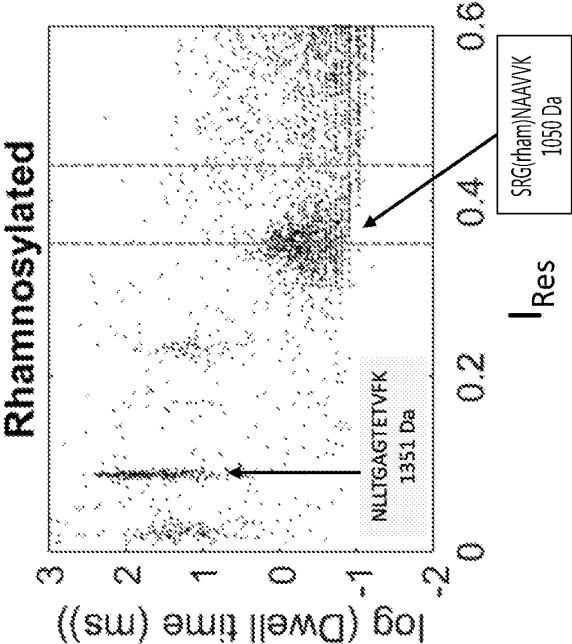


Fig. 15A

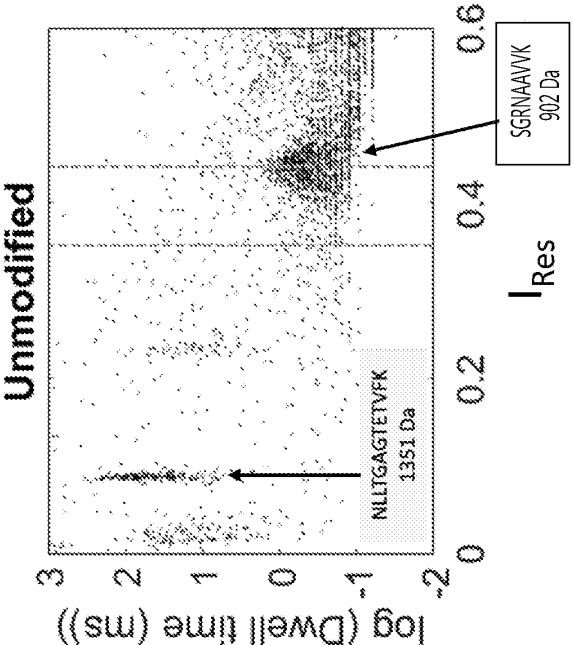


Fig. 16A

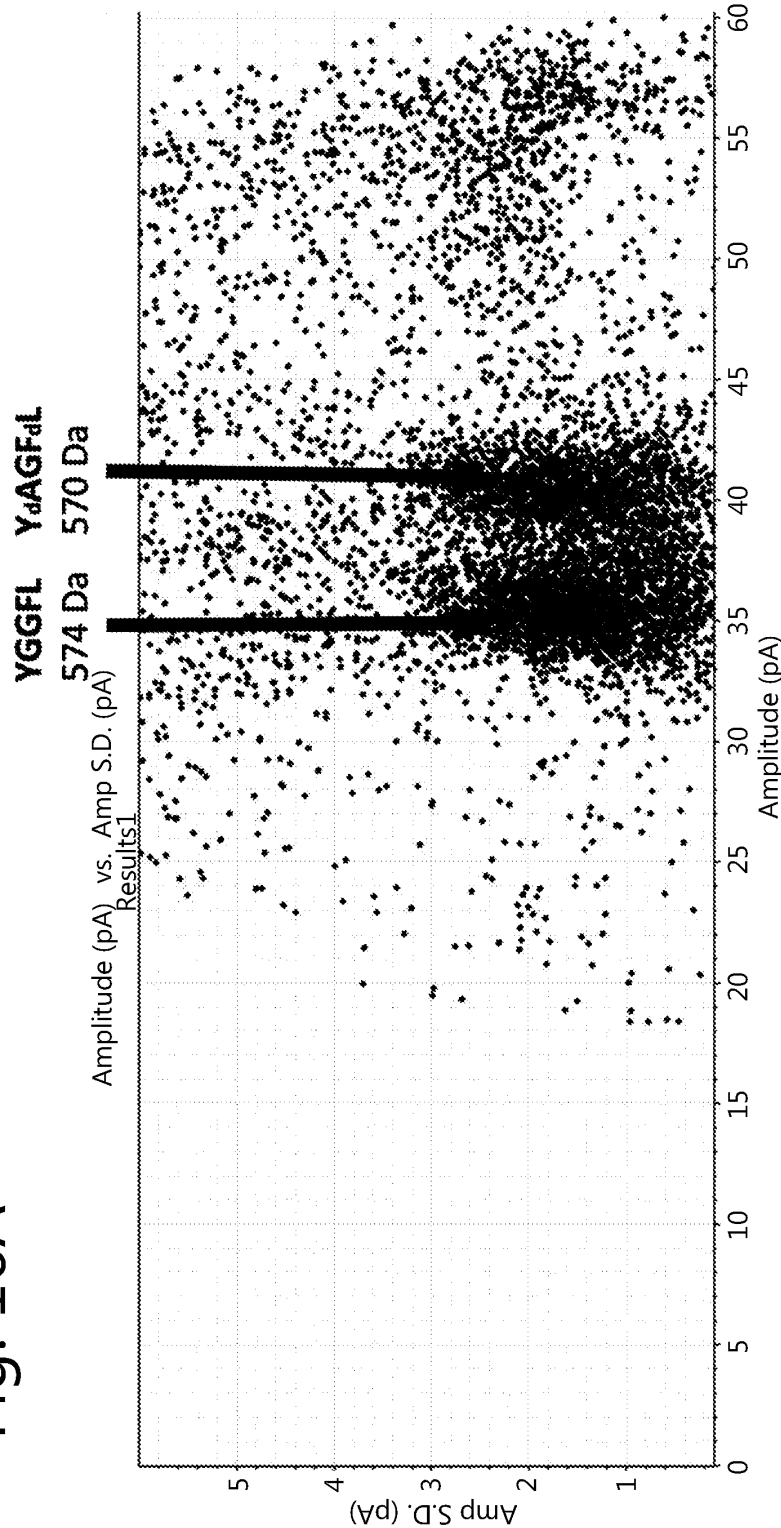


Fig. 16B

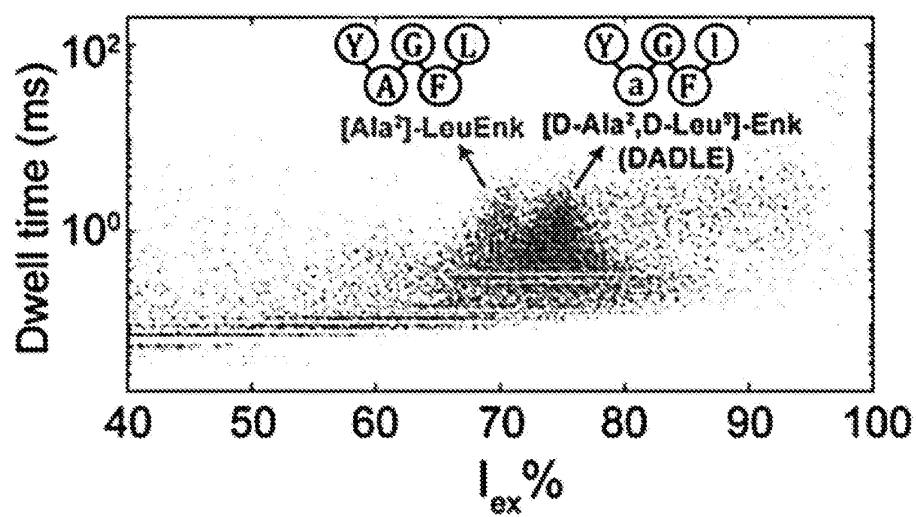


Fig. 16C

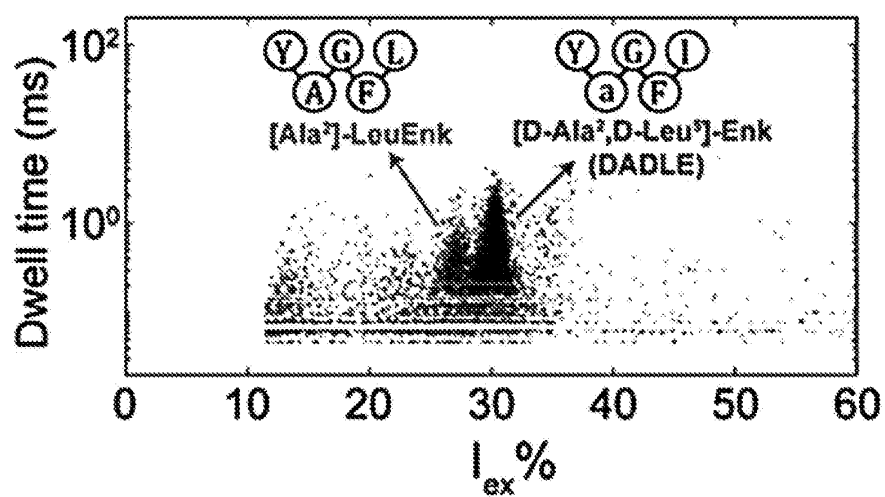


Fig. 17A

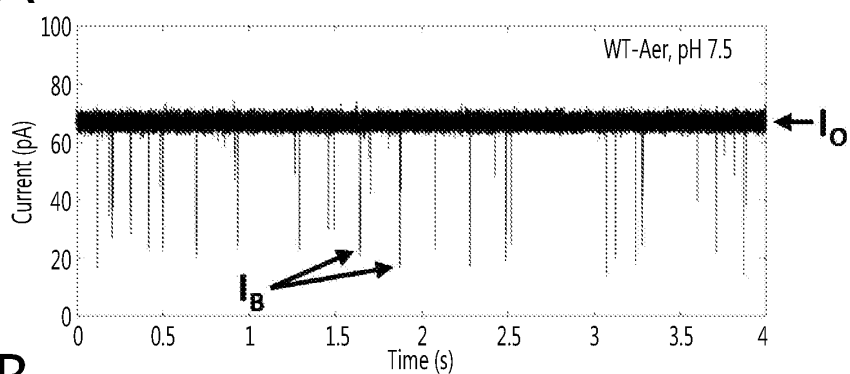


Fig. 17B

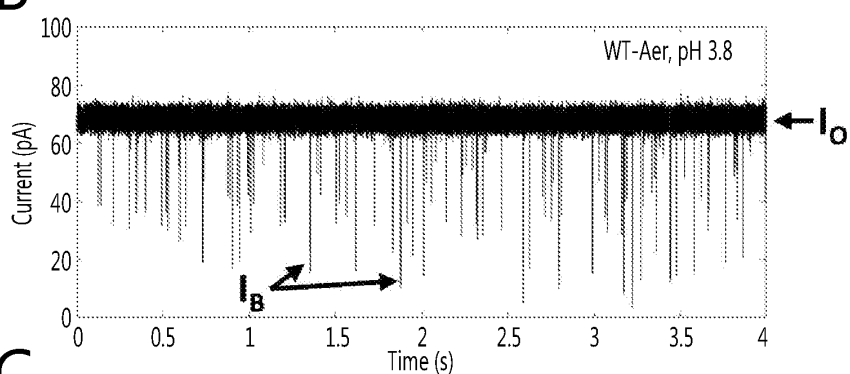


Fig. 17C

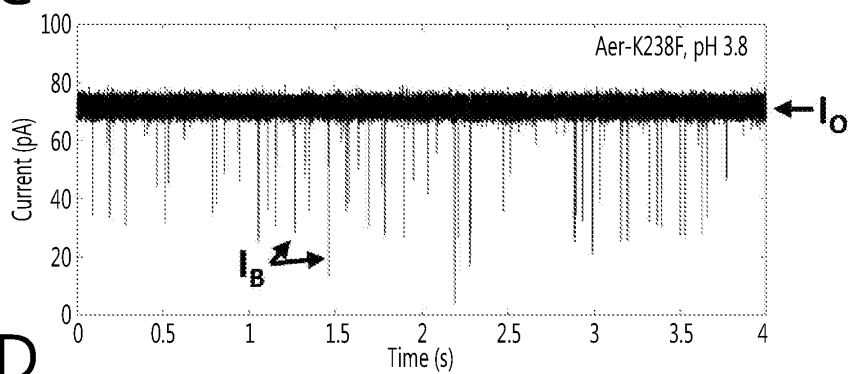


Fig. 17D

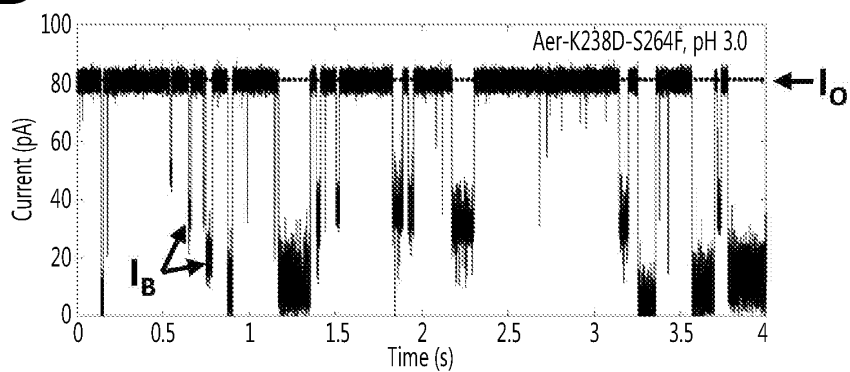


Fig. 18A

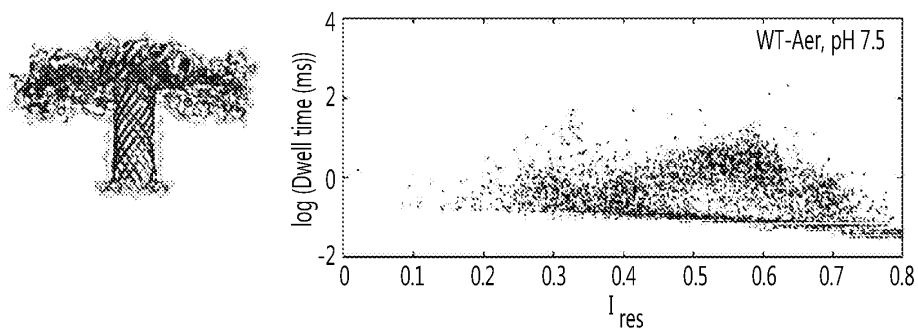


Fig. 18B

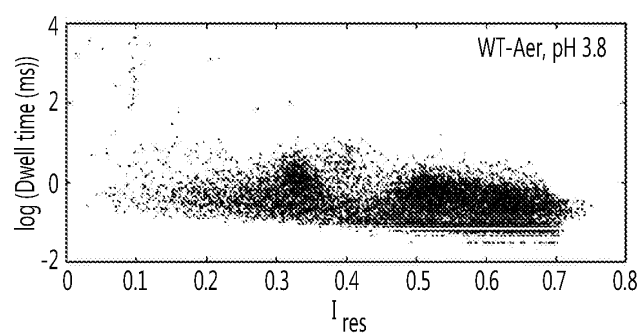


Fig. 18C

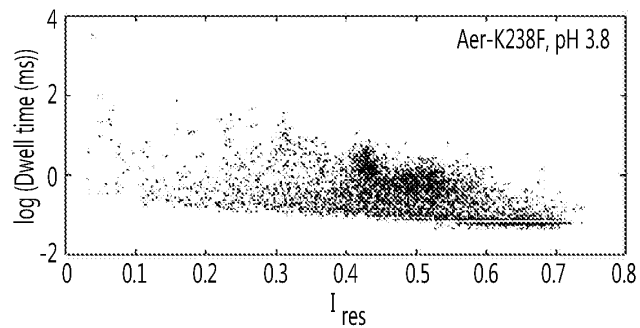


Fig. 18D

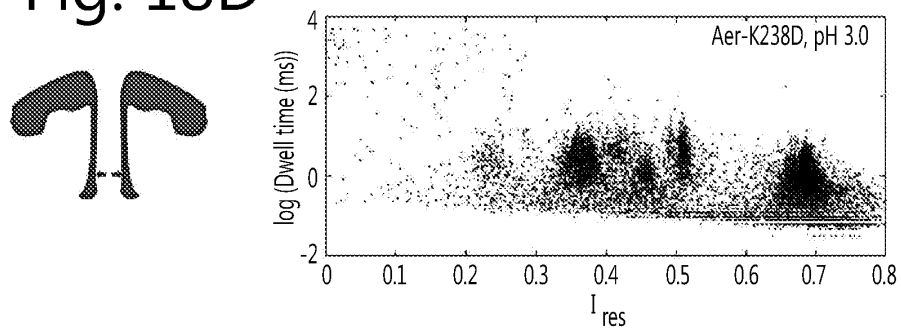


Fig. 18E

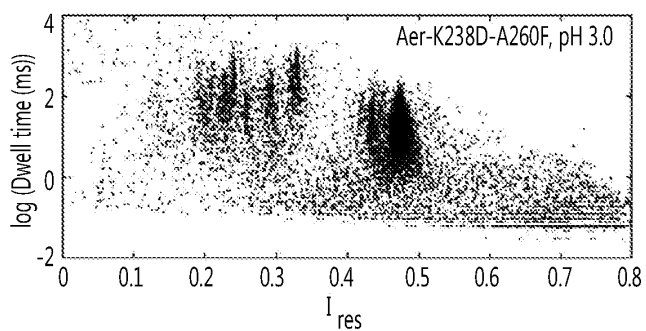
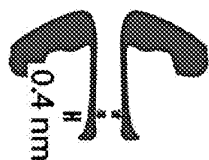


Fig. 18F

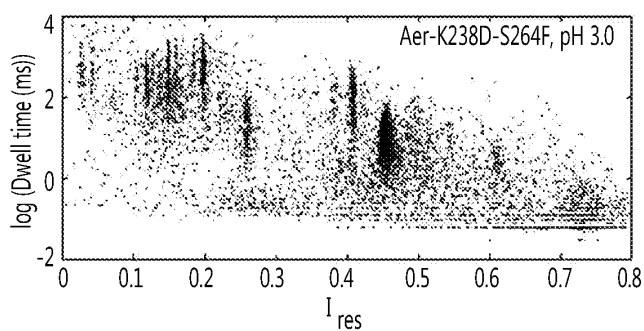
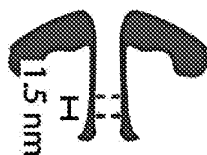


Fig. 18G

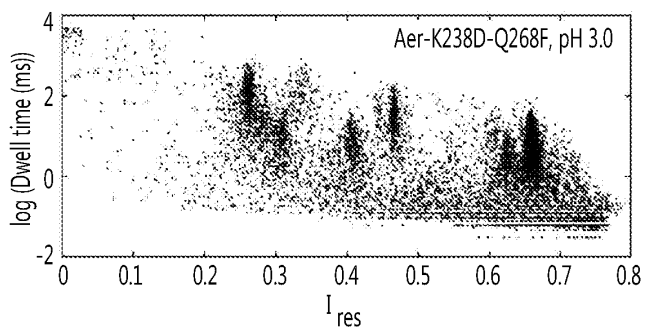
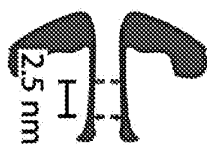


Fig. 18H

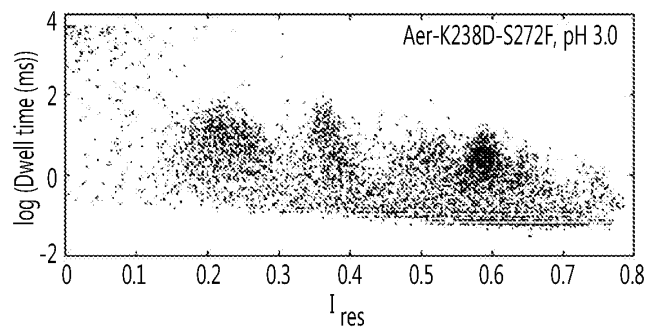
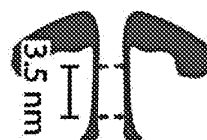


Fig. 18I

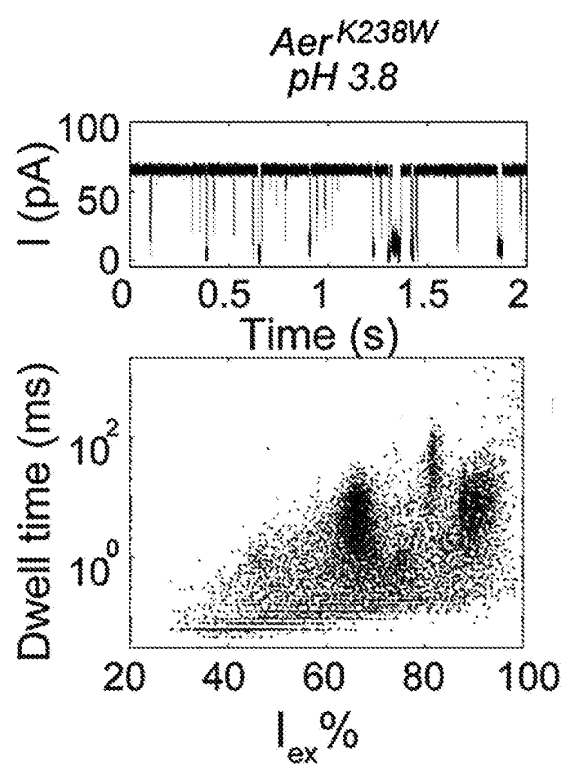


Fig. 19A

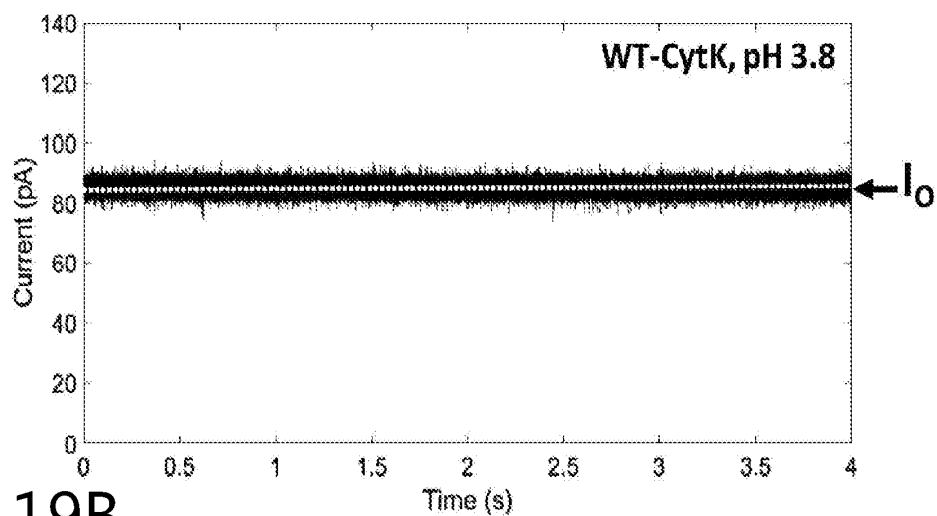


Fig. 19B

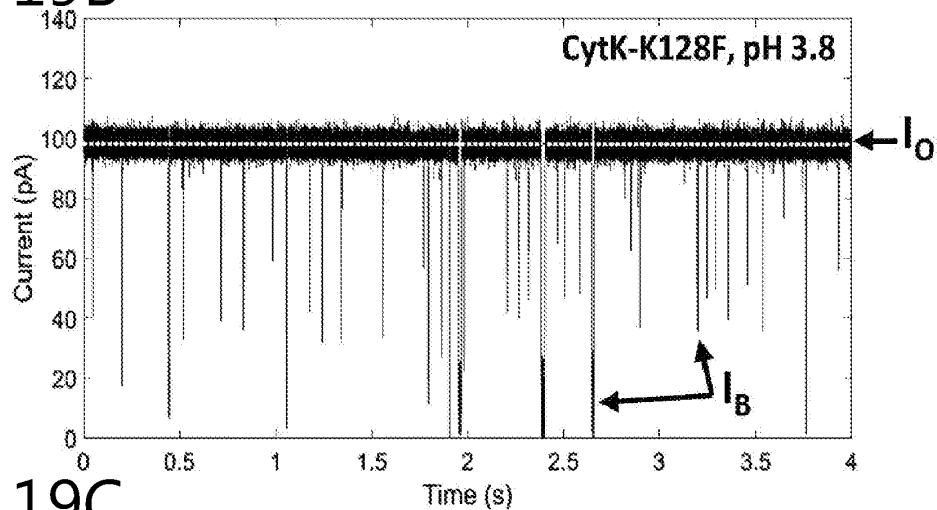
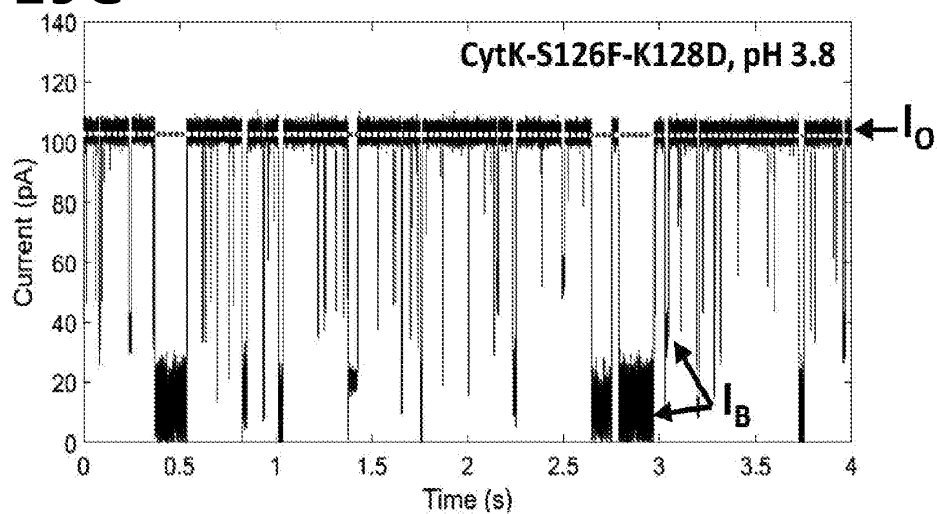


Fig. 19C



29/34

Fig. 20A

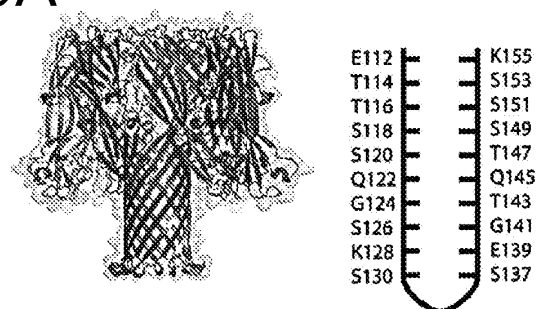


Fig. 20B

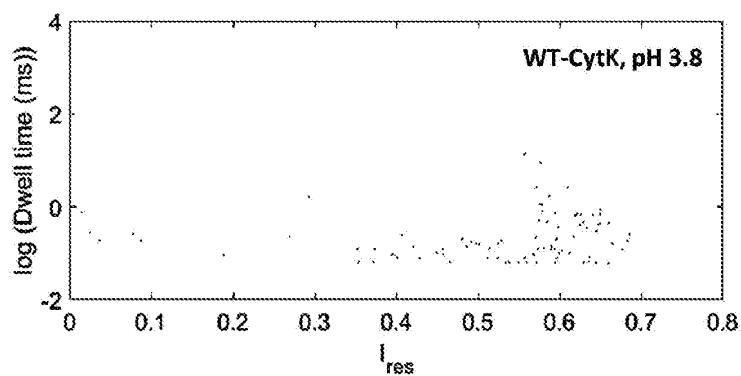


Fig. 20C

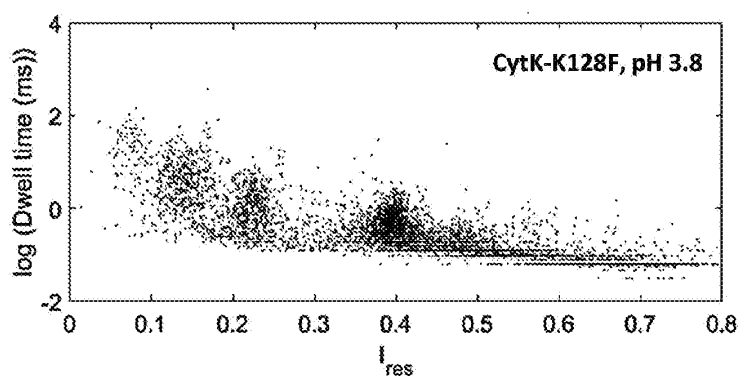
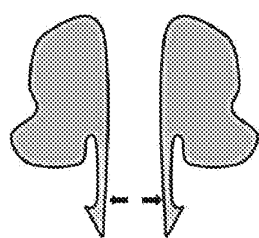


Fig. 20D

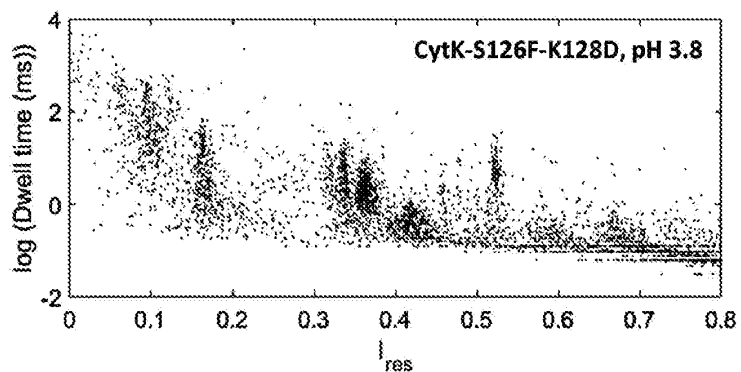
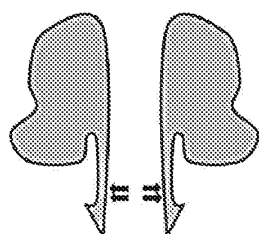


Fig. 20G

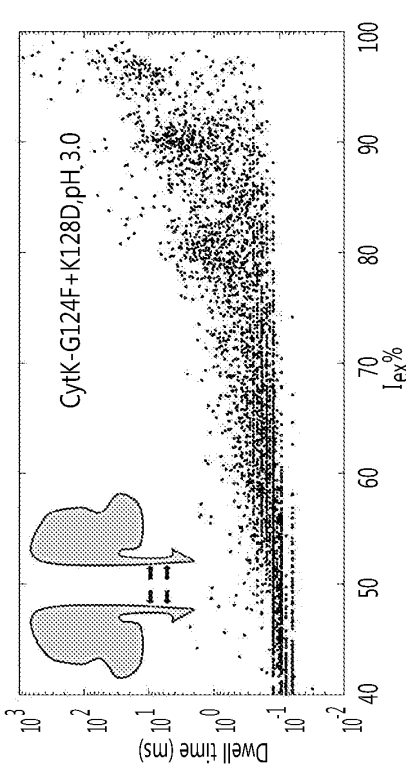


Fig. 20H

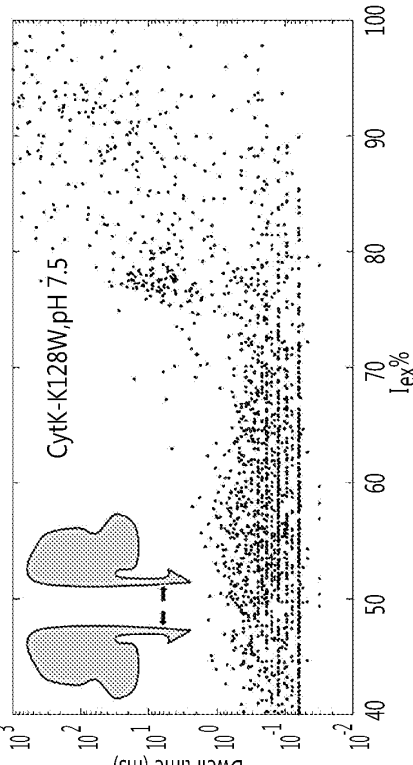


Fig. 20E

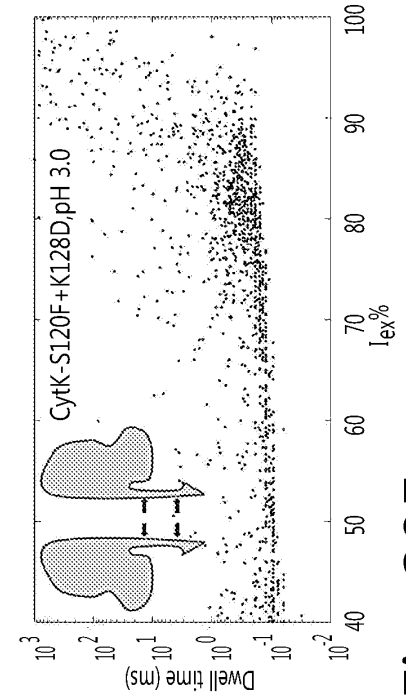


Fig. 20F

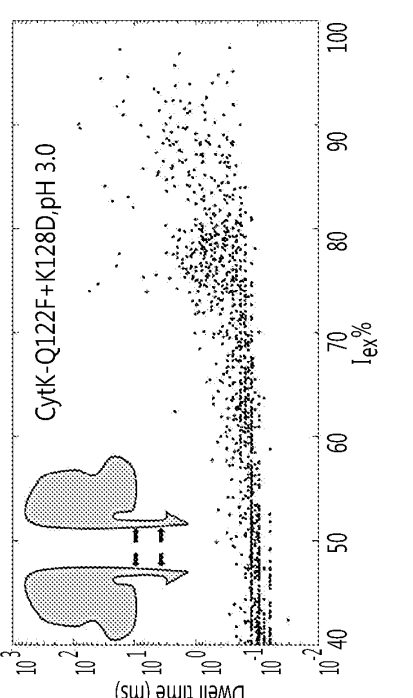


Fig. 21A

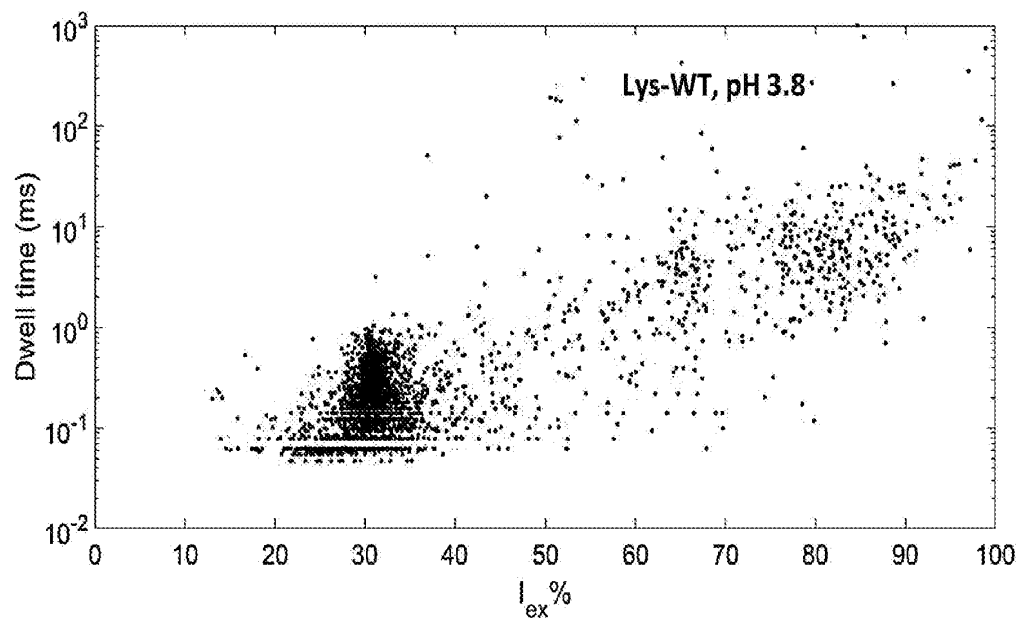


Fig. 21B

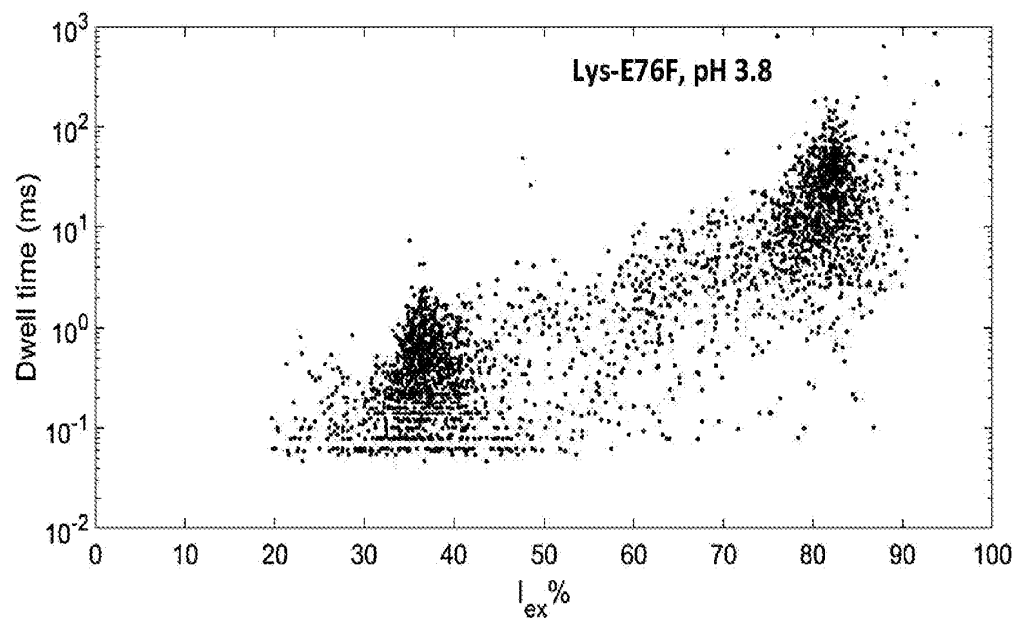


Fig. 22A

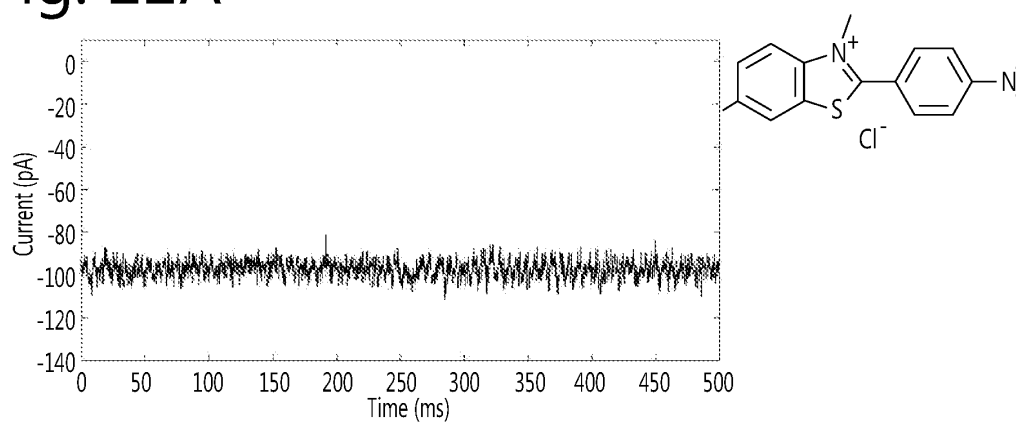
Heptameric FraC<sup>Wt</sup> + 2 $\mu$ M Thioflavin

Fig. 22B

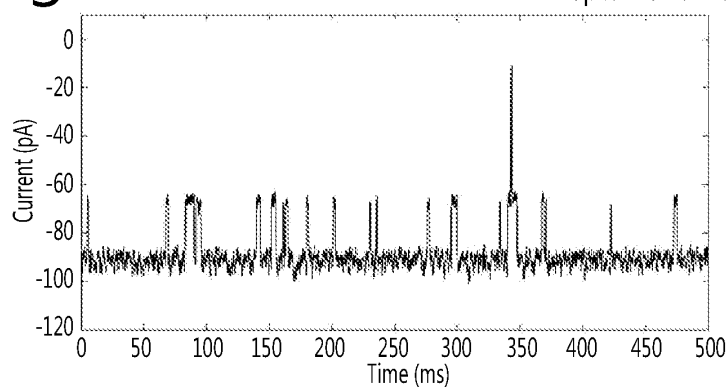
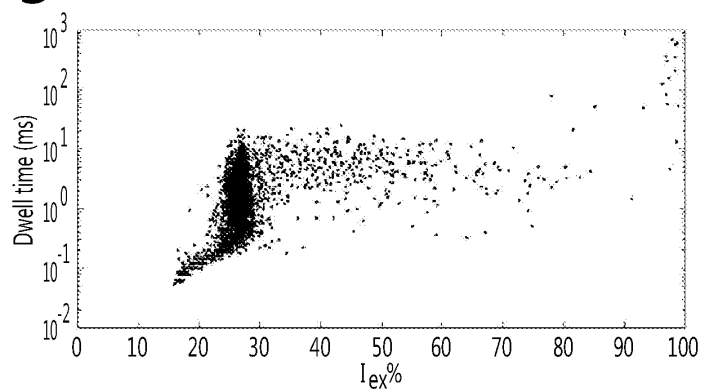
Heptameric FraC<sup>G13F</sup> + 2 $\mu$ M Thioflavin

Fig. 22C



33/34

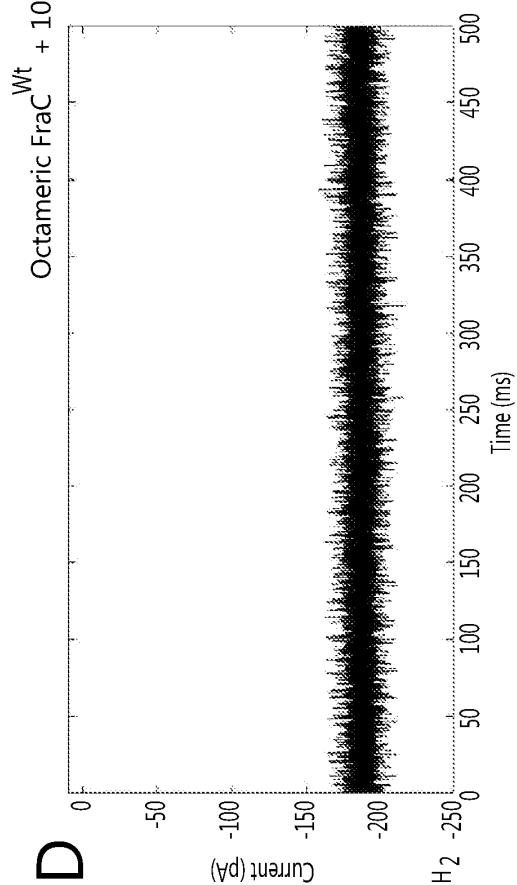
Octameric FraC<sup>Wt</sup> + 10 $\mu$ M Vit B12

Fig. 22D

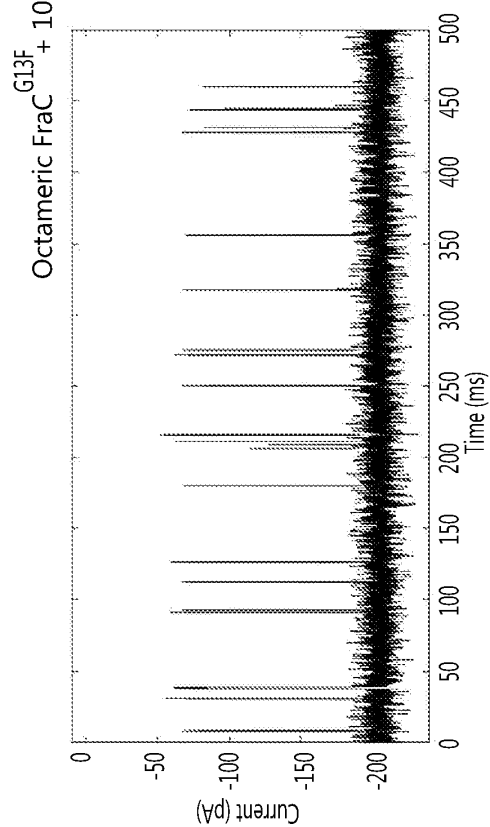
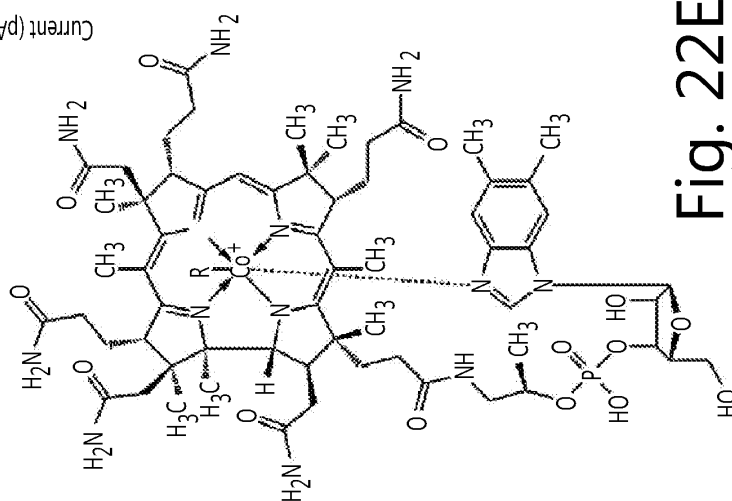
Octameric FraC<sup>G13F</sup> + 10 $\mu$ M Vit B12

Fig. 22E



Vitamin B12

Fig. 22F

