

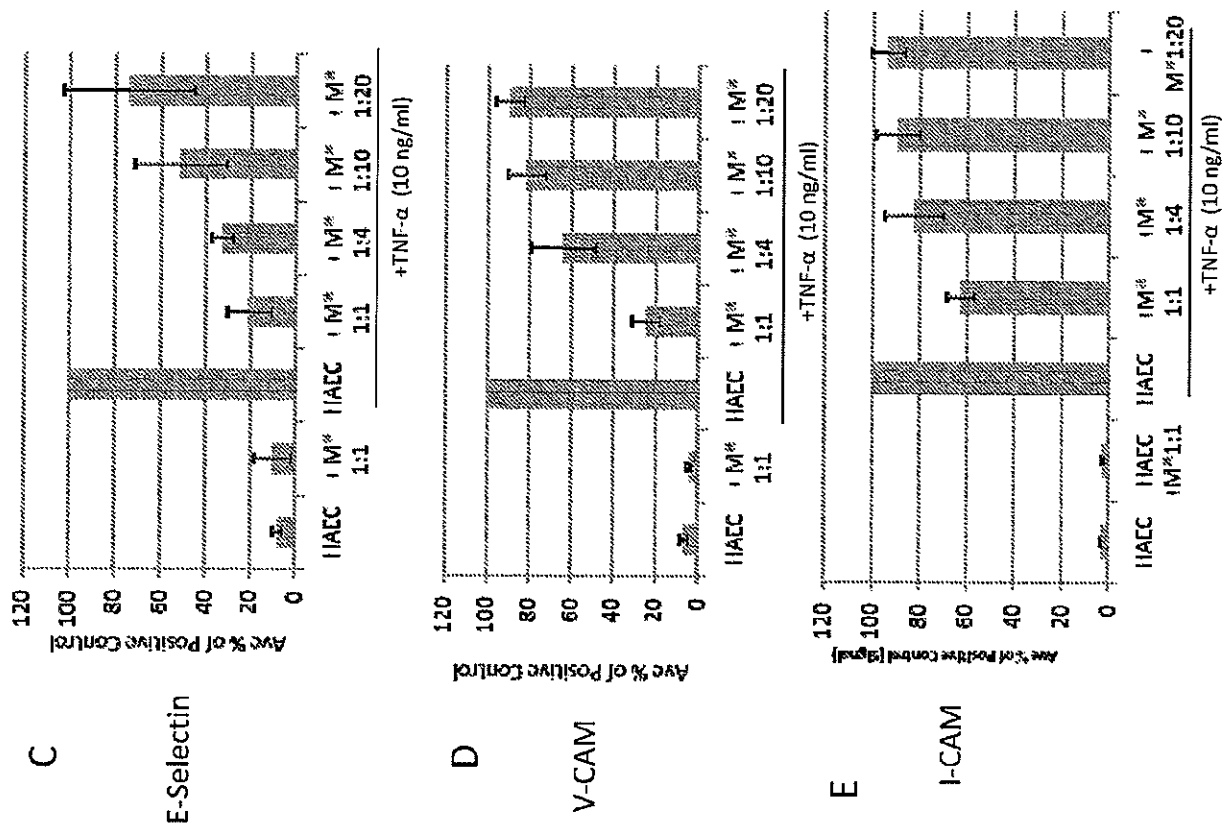


Figure 1

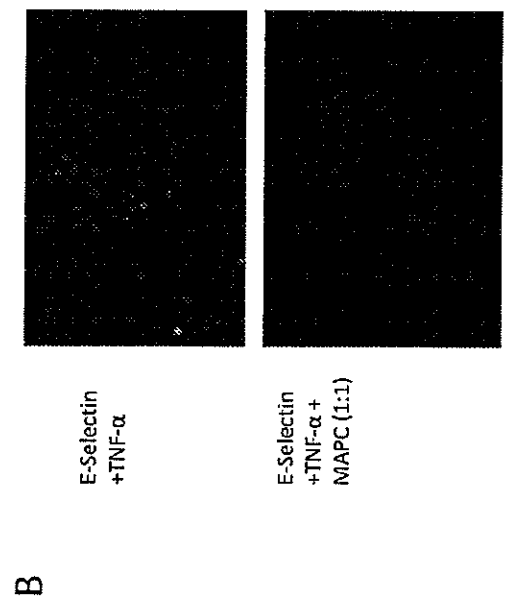
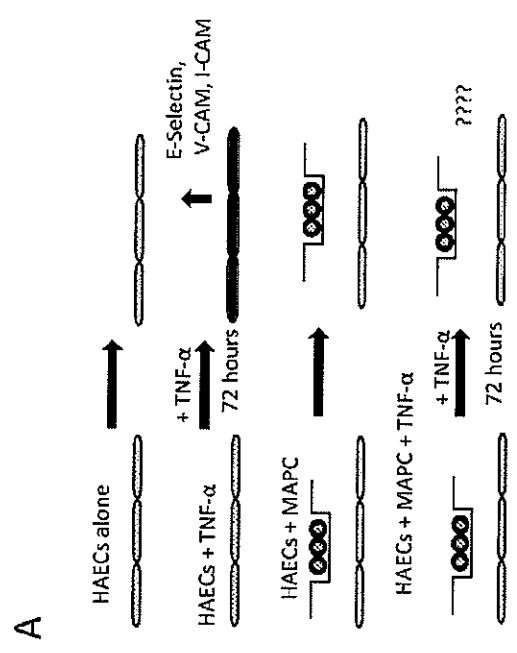
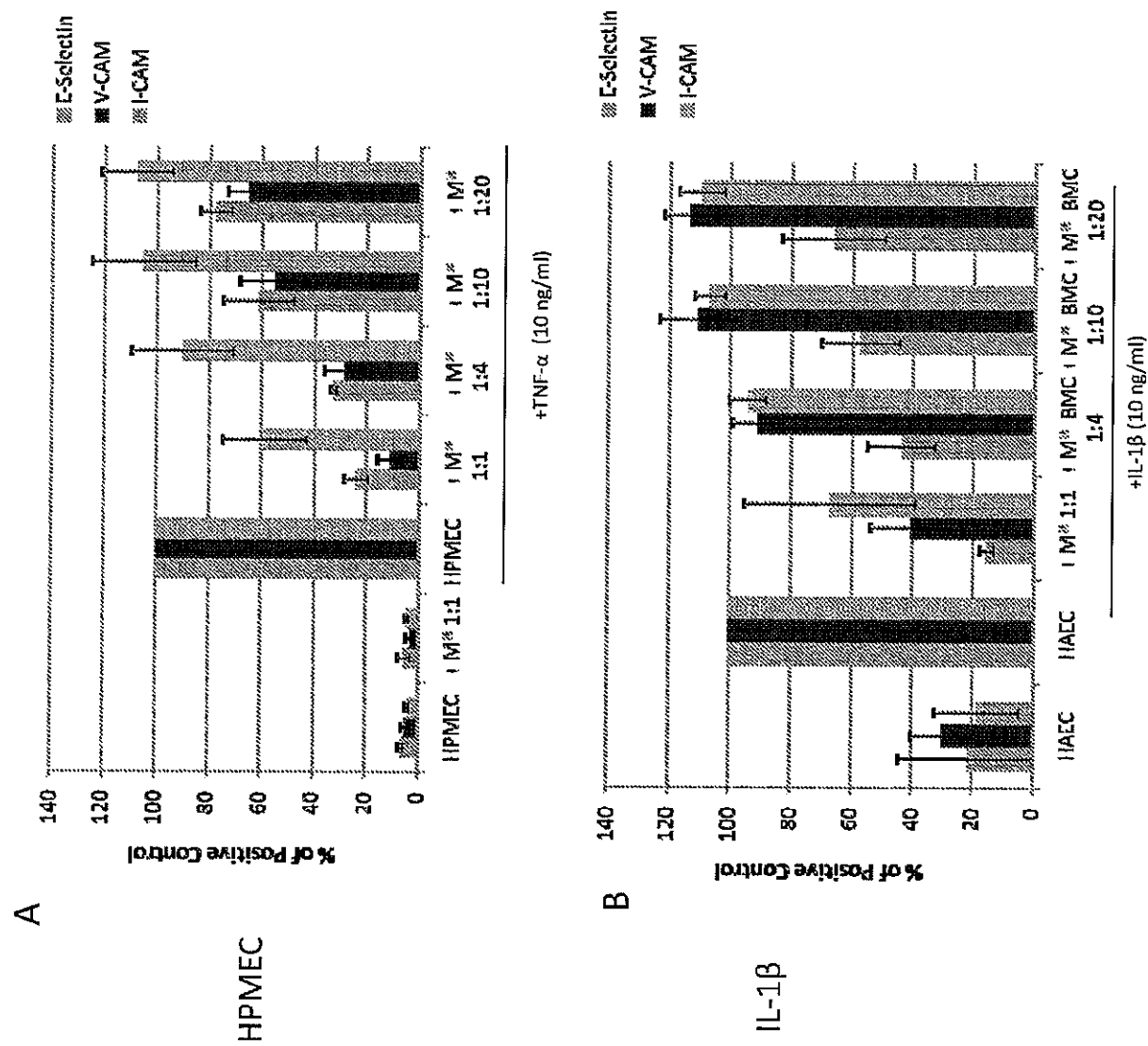


Figure 2.



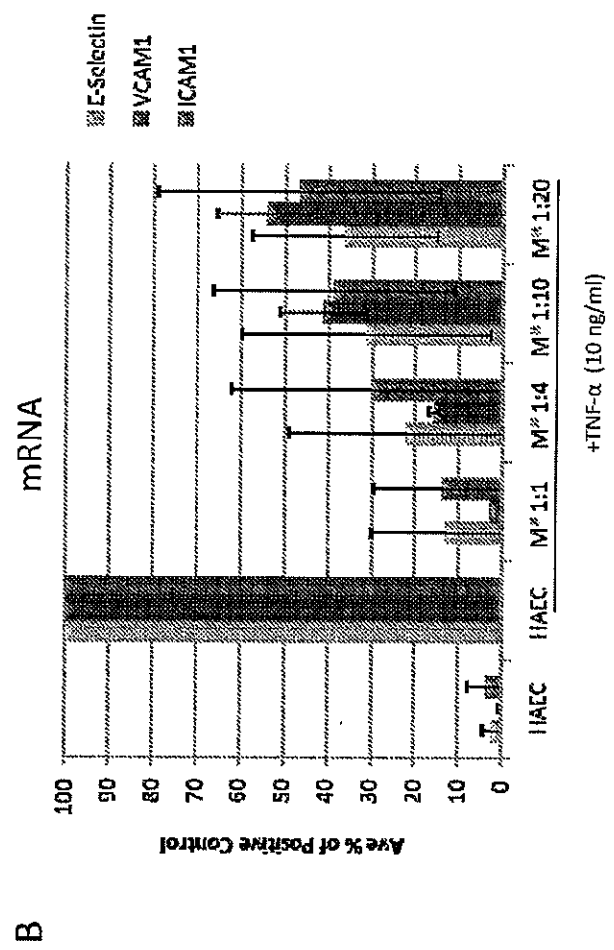
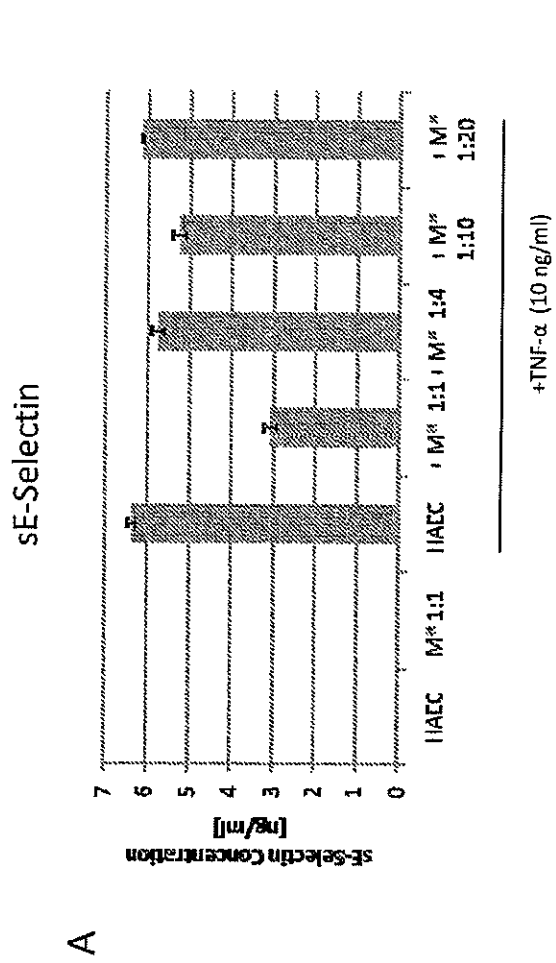
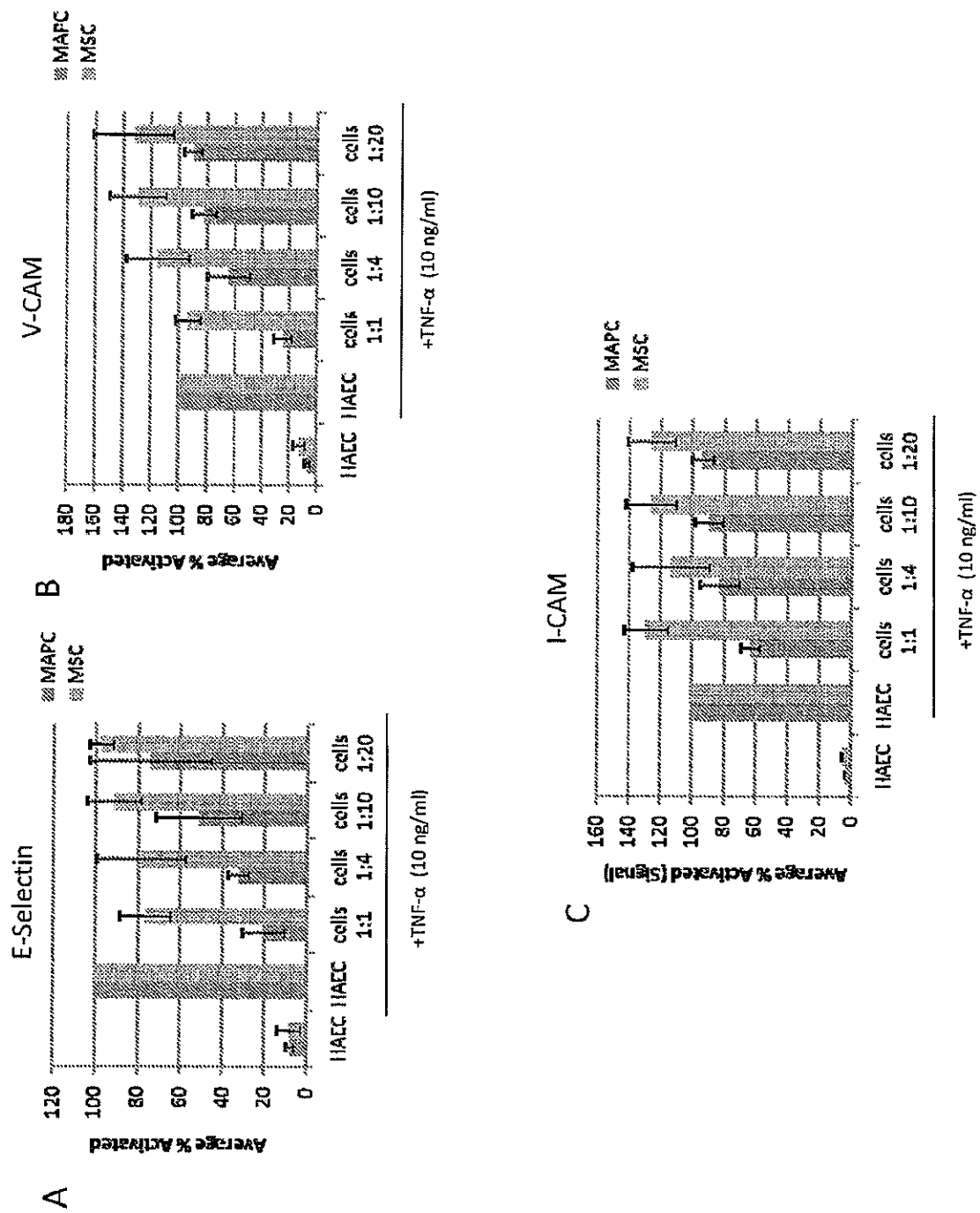
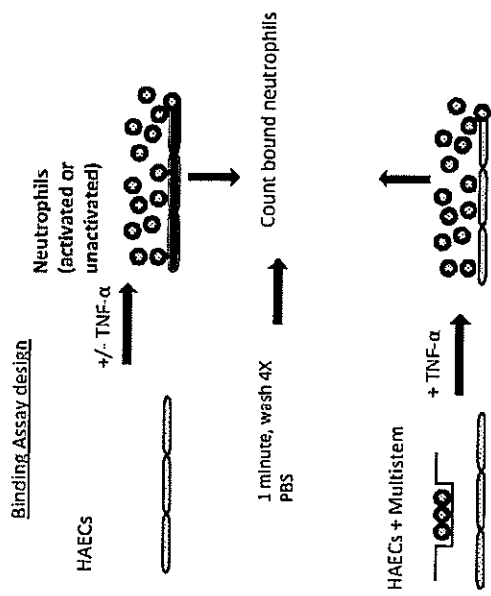


Figure 3.

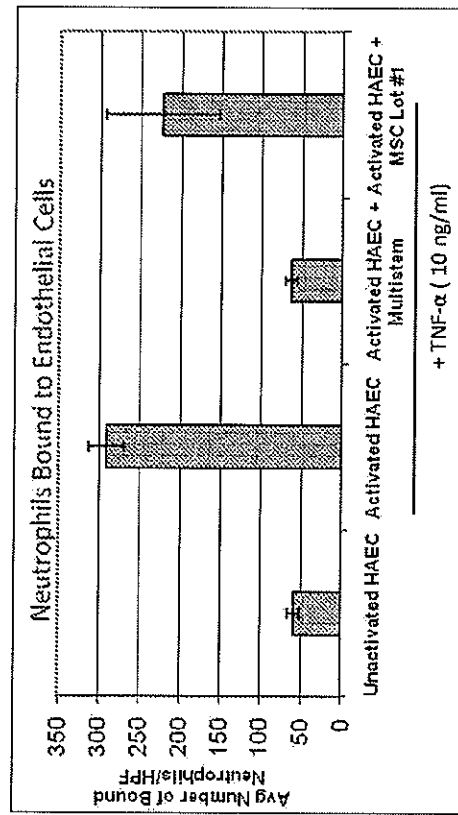
Figure 4,



A



B



C

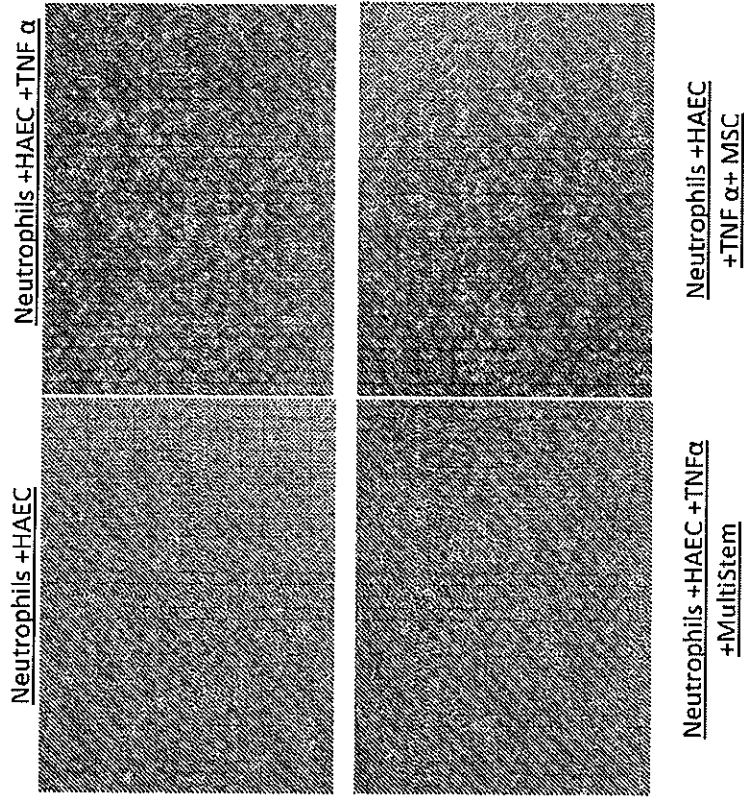
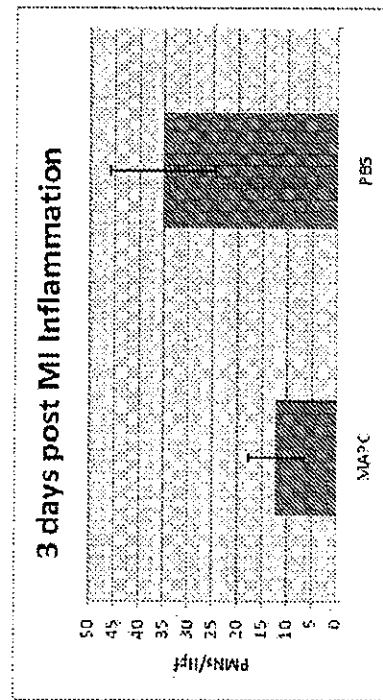


Figure 5,

A

| Mulistem treated | Average PMNs per section |          | STD | Total Average |
|------------------|--------------------------|----------|-----|---------------|
| AI-1             | 9.25                     | 6.849574 |     | 12.1875       |
| AI-2             | 19.25                    | 11.44188 |     |               |
| AI-3             | 13.75                    | 1.707825 |     |               |
| AI-4             | 6.5                      | 3        |     |               |
| PBS treated      |                          |          |     |               |
| AI-6             | 25                       | 8.717798 |     | 35.25         |
| AI-7             | 36.25                    | 8.770215 |     |               |
| AI-8             | 52.75                    | 8.381527 |     |               |
| AI-9             | 30.25                    | 11.29528 |     |               |
| AI-10            | 32                       | 12.70171 |     |               |

B



C

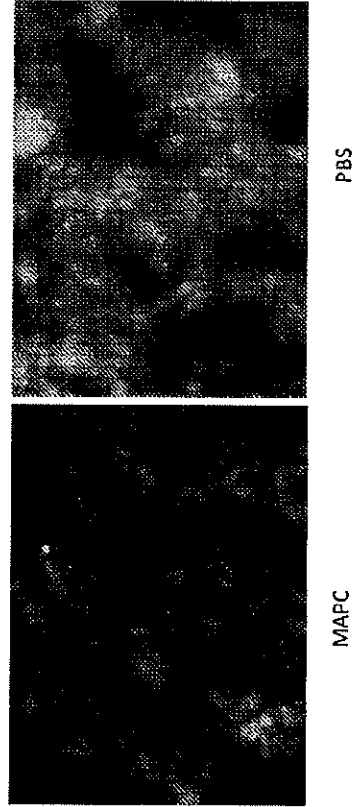
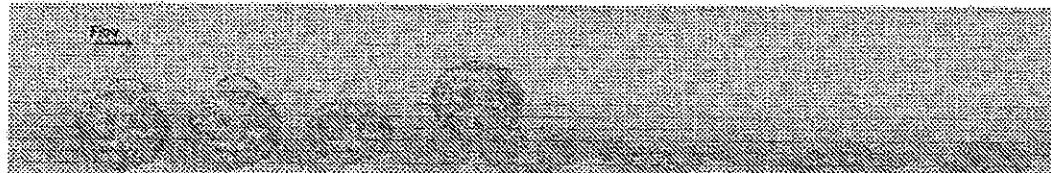


Figure 6.

Figure 7



|                 | Stops                               | Start/velocity<br>control     | Start/rolling                 | Acceleration<br>Polychrome    | Secondary<br>Innervation<br>Neocortex | Primary<br>Lateral<br>Innervation | Tertiary<br>Innervation<br>Neocortex |
|-----------------|-------------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------------|-----------------------------------|--------------------------------------|
| Receptor/Signal | WDR<br>PDR<br>ESL-1<br>(a) 12/13/14 | CC-4<br>ESL-1<br>(a) 12/13/14 | CC-4<br>ESL-1<br>(a) 12/13/14 | CC-4<br>ESL-1<br>(a) 12/13/14 | CC-4<br>ESL-1<br>(a) 12/13/14         | CC-4<br>ESL-1<br>(a) 12/13/14     | CC-4<br>ESL-1<br>(a) 12/13/14        |
| EC              | EC-4<br>EC-5<br>EC-6<br>EC-7        | EC-4<br>EC-5<br>EC-6<br>EC-7  | EC-4<br>EC-5<br>EC-6<br>EC-7  | EC-4<br>EC-5<br>EC-6<br>EC-7  | EC-4<br>EC-5<br>EC-6<br>EC-7          | EC-4<br>EC-5<br>EC-6<br>EC-7      | EC-4<br>EC-5<br>EC-6<br>EC-7         |