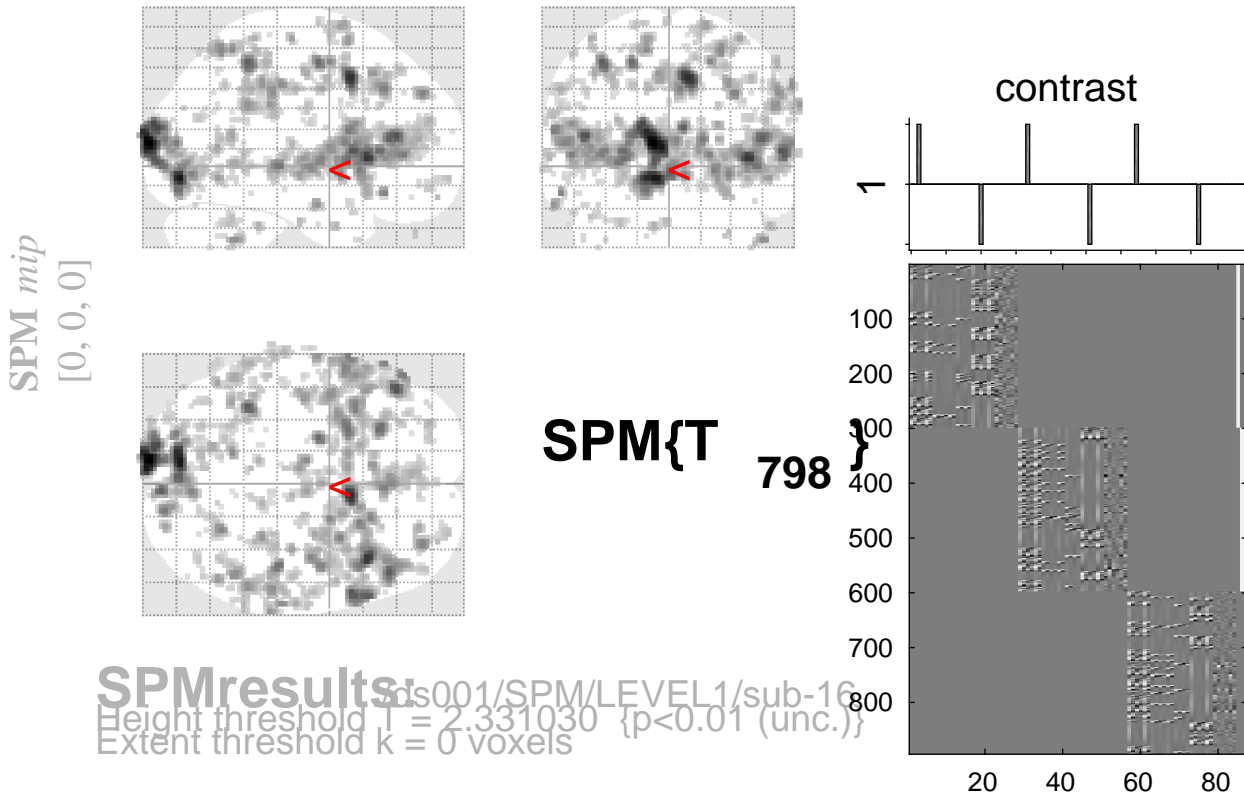


# pumps demean vs ctrl demean



Design matrix

## Statistics:

*p-values adjusted for search volume*

| set-level |     | cluster-level |          |     | peak-level |          |          |       |        | mm mm mm |     |     |     |
|-----------|-----|---------------|----------|-----|------------|----------|----------|-------|--------|----------|-----|-----|-----|
| $p$       | $c$ | $p$           | $q$      | $k$ | $p$        | $q$      | $T$      | $(Z)$ | $p$    |          |     |     |     |
|           |     | FWE-corr      | FDR-corr | E   | uncorr     | FWE-corr | FDR-corr | $(Z)$ | uncorr |          |     |     |     |
|           |     | 1.000         | 0.772    | 1   | 0.772      | 1.000    | 0.972    | 2.49  | 2.48   | 0.007    | -36 | -52 | -40 |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.48  | 2.47   | 0.007    | -24 | -54 | -4  |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.47  | 2.47   | 0.007    | -40 | 50  | -10 |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.47  | 2.47   | 0.007    | 30  | -50 | -38 |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.47  | 2.46   | 0.007    | -4  | -10 | 38  |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.47  | 2.46   | 0.007    | 22  | 46  | -12 |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.46  | 2.46   | 0.007    | -48 | -58 | -38 |
|           |     | 1.000         | 0.772    | 4   | 0.521      | 1.000    | 0.972    | 2.46  | 2.45   | 0.007    | 4   | 36  | 48  |
|           |     | 1.000         | 0.772    | 1   | 0.772      | 1.000    | 0.972    | 2.45  | 2.45   | 0.007    | -38 | -76 | 2   |
|           |     | 1.000         | 0.772    | 3   | 0.584      | 1.000    | 0.972    | 2.45  | 2.45   | 0.007    | -32 | 46  | 34  |
|           |     | 1.000         | 0.772    | 3   | 0.584      | 1.000    | 0.972    | 2.45  | 2.45   | 0.007    | -50 | 8   | 30  |
|           |     | 1.000         | 0.772    | 1   | 0.772      | 1.000    | 0.972    | 2.45  | 2.45   | 0.007    | 8   | -26 | -14 |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.45  | 2.45   | 0.007    | 10  | -34 | 36  |
|           |     | 1.000         | 0.772    | 4   | 0.521      | 1.000    | 0.972    | 2.45  | 2.45   | 0.007    | 38  | -58 | -10 |
|           |     | 1.000         | 0.772    | 1   | 0.772      | 1.000    | 0.972    | 2.45  | 2.44   | 0.007    | -28 | -86 | 22  |
|           |     | 1.000         | 0.772    | 3   | 0.584      | 1.000    | 0.972    | 2.45  | 2.44   | 0.007    | -52 | 32  | -2  |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.44  | 2.44   | 0.007    | 22  | 12  | 46  |
|           |     | 1.000         | 0.772    | 1   | 0.772      | 1.000    | 0.972    | 2.43  | 2.42   | 0.008    | -56 | -8  | -32 |
|           |     | 1.000         | 0.772    | 3   | 0.584      | 1.000    | 0.972    | 2.42  | 2.42   | 0.008    | 8   | -52 | 60  |
|           |     | 1.000         | 0.772    | 2   | 0.663      | 1.000    | 0.972    | 2.42  | 2.42   | 0.008    | -50 | -44 | -16 |
|           |     | 1.000         | 0.772    | 1   | 0.772      | 1.000    | 0.972    | 2.42  | 2.42   | 0.008    | -8  | -22 | 42  |
|           |     | 1.000         | 0.772    | 1   | 0.772      | 1.000    | 0.972    | 2.42  | 2.41   | 0.008    | -14 | -62 | -38 |

table shows 3 local maxima more than 8.0mm apart

Height threshold:  $T = 2.33$ ,  $p = 0.010$  (1.000 Degrees of freedom = [1.0, 798.0])  
 Extent threshold:  $k = 0$  voxels FWHM = 6.6 6.5 6.6 mm mm mm; 3.3 3.2 3.3 {voxels}  
 Expected voxels per cluster,  $\langle k \rangle = 10.097$  Volume: 1708176 = 213522 voxels = 5632.3 resels  
 Expected number of clusters,  $\langle c \rangle = 238.82$  Voxel size: 2.0 2.0 2.0 mm mm mm; (resel = 34.98 voxels)  
 FWEp: 5.081, FDRp: 4.767, FWEc: 192, FDRc: 189