

A. daf-19

```
A [ 1  0  3  6  0  0 21  0  6  1  1 20 22  0]
C [ 0  1  4  3 21 17  0  0  0  1 15  0  0 21]
G [21  0  0  3  0  0  0  0 16 20  0  1  0  0]
T [ 0 21 15 10  1  5  1 22  0  0  6  1  0  1]
```

B. Rfx1_1

```
A [5 10  6  3 11 13  3  4  4 11  0  3 30 32  0 11 11]
C [5  4  4  2 10  1 25 14  2  3  0 16  0  0 32  9  3]
G [6  8 22  7  2 17  1  7  0 17 32  3  1  0  0  7  5]
T [8  6  0 20  9  1  3  7  6  1  0 10  1  0  0  4 10]
```

C. Rfx1_2

```
A [5 10  6  3 11 13  3  4  9  4 11  0  3 30 32  0 11 11]
C [5  4  4  2 10  1 25 14  3  2  3  0 16  0  0 32  9  3]
G [6  8 22  7  2 17  1  7  2  0 17 32  3  1  0  0  7  5]
T [8  6  0 20  9  1  3  7  2 10  1  0 10  1  0  0  4 10]
```

D. Nfe2l2

```
A [288  0  0 430  14  58  31 345  3  3 361]
C [ 24  2  0  0 304  13 325  2  3 418 15]
G [112  0 419  0  75  12  31  49 424  6 17]
T [  6 428 11  0  37 347  43  34  0  3 37]
```

Figure S1 oPOSSUM-specific JASPAR PENDING collection. PFMs for daf-19, Rfx1_1, Rfx1_2 and Nfe2L2 are included.