A

```
Bc TYDPSSAATEIGSVTSDGSTYKILETTRTN
Tr TYNPSTGATKLGEVTSDGSVYDIYRTQRVN
Tv TYNPSTGTTKLGEVTSDGSVYDIYRTQRVN
   * *.* *.  .*..*  *****  *  *   *  *  .
```

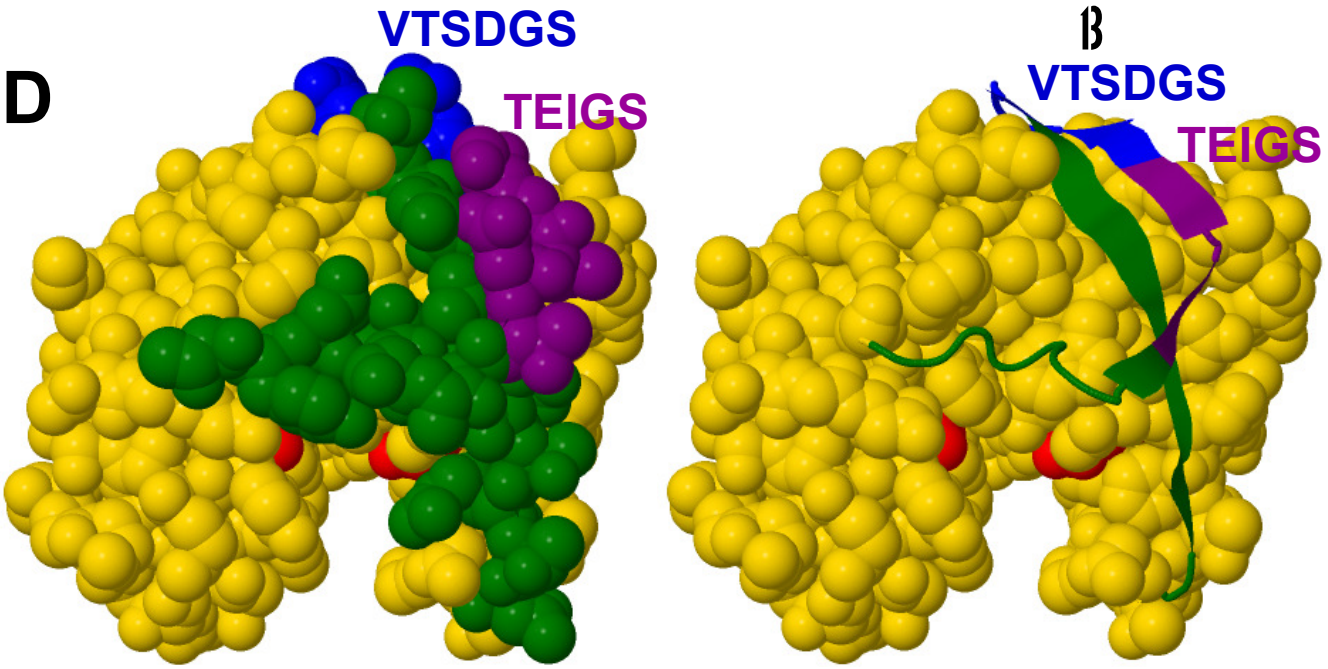
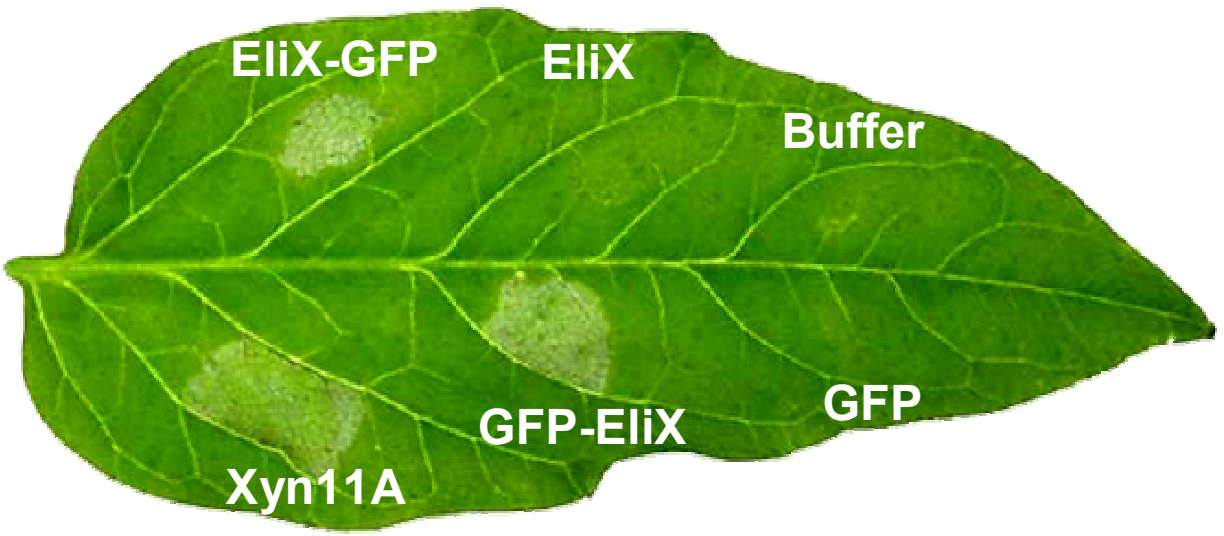
B

```
TYRPSGGATG-GTVTSDGGTYDIYTTTRTN
DWN  TSTGKKK-SFYI   SY  KV  QSQ  V
S  D PAQYQ  L      T   A   N   E    Y
     G S           V              R
                                  K
```

C

```
50 69 34 91 26 40 28 31 38 22 35 70 60 67 48 51 95 97 49 67 100 51 72 59 29 46 58 84 31 82
22 20 34    25 35 17 27 25 12 27 28 18 15 14 14     26 11     17 22    20 14 15    30
18    12    13 10 15 19 16    22          11     20       11       16         29
            11    11                      11                       13
                                                                   13
```

D



E