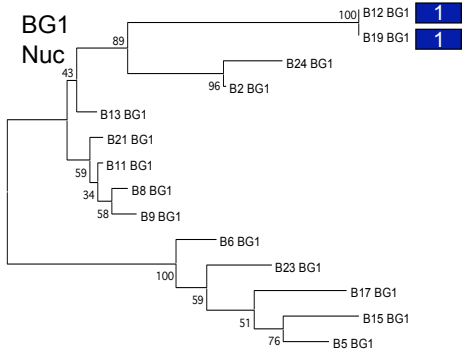
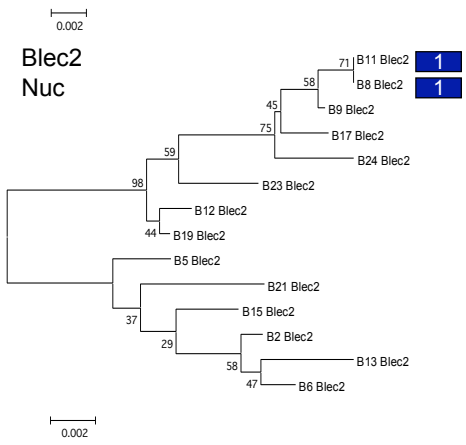


Sup Fig 1A



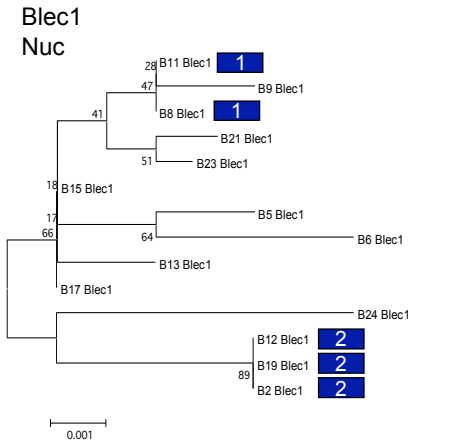
```

CGGTGCCAAAGGTCTACAGGACAGGGCAGGTACACAAACGTTGCCTCAA
CGGTGCCAAAGGTCTACAGGACAGGGCAGGTACACAAACGTTGCCTCAA
CGAAGCCAAGTGC AAATAGGACAGGGCAATGCGTGTACGTTGTTTCAAC
CGAAGCCAAGTGT AAGTAGGACAGGGCAGATGCGTGTACGTTGTTTCAAC
CGGAGCTAGGTGT AAGCAGGACAGGGCAGATACGCGTACGTTGCTCCAC
CGGACTTAGGTGT AAGCAGGACAGGGCAGATATGCCAACGTTGCTTCAAC
CGGACTTAGGTGT AAGCAGGACAGGGCAGATATGCCAACGTTGCTCCAC
CGGACTTAGGTGT AAGCAGGACAGGGCAGATCTGCCACGTTGCTCCAC
CGGACTTAGGTGT AAGCAGGACAGGGCAGACCTGCCAACGTTGCTCCAC
CGGAGCCAGGTGT AAGCTCGTCACATGGATATGCCAGAGTTGCTTCAAC
TGGACCTTAGGTGT AAGCTCGTCACATGGATCTGCCGTGAGTTGCTTCAAC
TGGACCTTAGGTGT AAGCTCGTCACATGGATATGCCGAACCACTCCAC
CCGAGCCAGGTTTAAGCTCGTCACATGGATATGCCACACCACTCGGC
TGGAGCTAGGTGT AAGCTACGTCACATGGATATGCCGACACCGCTCGGC
    
```



```

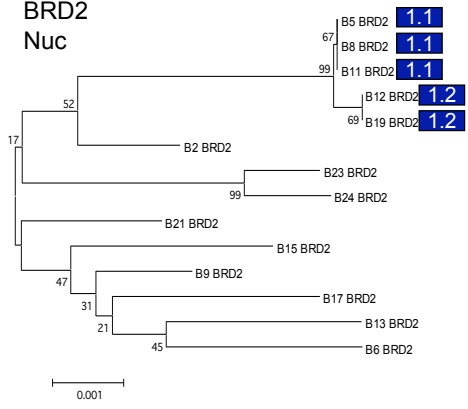
AGGGGGTCCGAGAGGGAACGAC
AGGGGGTCCGAGAGGGAACGAC
AGGGGGTCCGAAAGGGAACGAC
CGGGGGTCCGAAAGGAAACGAC
AAGGGGTCCGAAAGAAAACGAC
AGGGGGTCCGAAAGGATCCCCC
AGGGGGTTCGAGAGGAACCCC
AGGGGGTTCGAGAGGAAACCCC
AGGGGATCAGGGGAAACACCC
AGGACATTATGGGAAAACCCCT
AGGAAGTTAGGGGAAACACCC
AGAACATTAGGGGAAACACCC
AAAGGACTAGGGGAAACACCT
AAAACATTAGGGGAAACACCC
    
```



```

CGCGAACACCGCGCC
CGCGAACACCCGTC
CGCGAACACCGCGCC
CGCGAACACCTTGCC
CGCGGACACCTTGCC
CGCGGACACCGCGCC
CGTGGCCACCCGCGCC
AATGGACACCGCGCC
CGCGGACACCGCGCC
CGCGGACACCGCGCC
CGCGGATACTCACT
CGCAGACTCCACCC
CGCAGACTCCACCC
CGCAGACTCCACCC
    
```

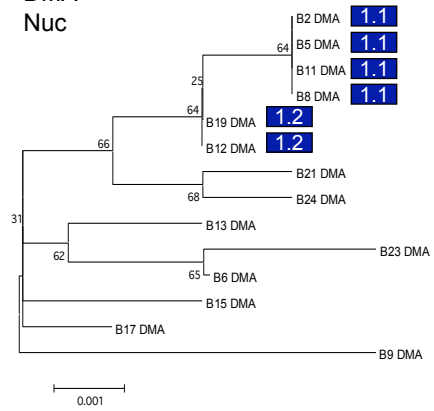

BRD2
Nuc



```

CGCCCCACTTAGGTCGTGTCGGCGCCTCCTCTGTCCTGTAGCC
CGCCCCACTTAGGTCGTGTCGGCGCCTCCTCTGTCCTGTAGCC
CGCTCCGCCCGGATGGTGTGCGCGCCTCTCTGGCTGACTCGTAGCT
TGCTCCGCCCGAGTGGTGTGCGCGCTCCCTCTA CCTAATCCGTGGCC
CGCCTCGGCCGGACGGCTCCGCA GCCCCCCCTGCCGTCTCACAGCC
CGTTCCGCCCGGGCGGCCTTGTGGCCCCCCTGGCTGTCTCGTAGTC
CGCTCCGCCCGAGCGGCCTCGCGGCCCTCTCGCCTGTCTCGACCC
CGCTCTGCCCGAGTGGTGTGCGCGCTCCCTCTA CCTAATTCGACGCC
CGCCTCGTCCGAGCGACGTCACGGCCCTCTCGCCCGTCTCACAGCT
CGCCCCACTTAGGTCGTGTCGGCGCCTCCCTGTCCTGTAGCC
CGCCCCACTTAGGTCGTGTCGGCGCCTCCCTGTCCTGTAGCC
CGCCCCACTTAGGTCGTGTCGGCGCCTCCCTGTCCTGTAGCC
GACCTCGGCCGGCGGCCTCGCGACTCTCTCGCTTGTCCCGTAGCC
CGCCCCGCTCGGGTGGTGTGCGCGCTCTTCTCGCCTGTCCCGTAGCC
    
```

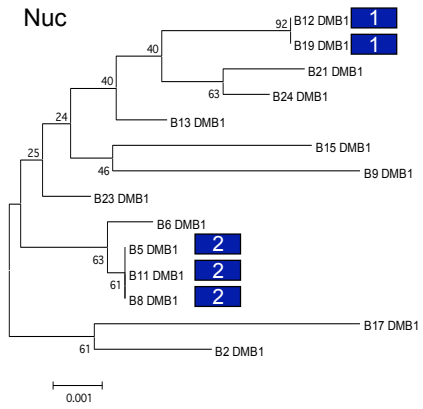
DMA
Nuc



```

GGCGTGGGCCCCACAGGC
GGCGTGGGCCCCACAGGC
GGCGTGGGCCCCACAGGC
GGCGTGGGCCCCACAGGC
GGCGTGGGCCCCACGGGC
GGCGTGGGCCCCACGGGC
GGCA GGGGCCCA TGGGC
GGCGGGGCCCTATTGGGC
ACTGCCGGGCCACGGGC
AGCGCCGATTCACGGGC
GGCGCCGATCCCACGGGC
GACGCCAGCCCACGGGC
GGCGCCGGGCCACAGGC
GGCGCCGGCCTCGCGGAT
    
```

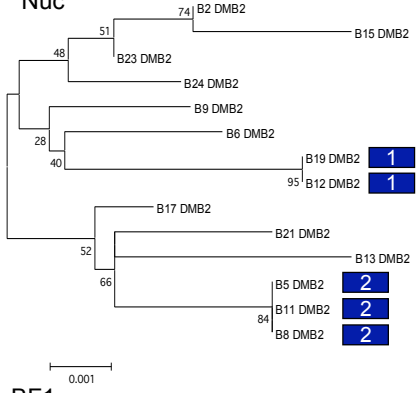
DMB1
Nuc



```

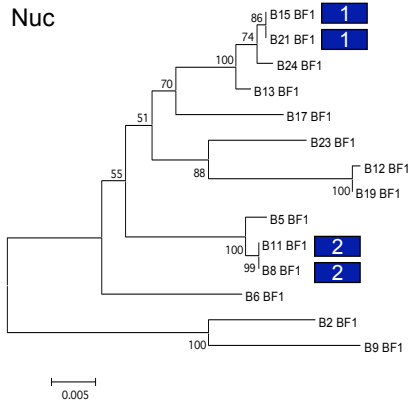
TAAATGGCCTCACACGGCGTC
TAAATGGCCTCACACGGCGTC
TAGGCA GCCTCACACGGCGTC
TAGGCGACCTCACACGGCGTC
TTGACGACCTCACACGGCGTC
ATGGCGGGCCCGGCACAGCTC
TTGACGACCTCGCGACTCG
TTAACGGCCTCGCACGGCGTC
TTAACGGCCTTGTACGGCGTC
TTGACGGCCTTGTACGGCGTC
TTGACGGCCTTGTACGGCGTC
TTGACGGCCTTGTACGGCGTC
TTGACGATTCGCACGTGTT
TTGACGGCCTTGCATGCGTC
    
```

DMB2 Nuc



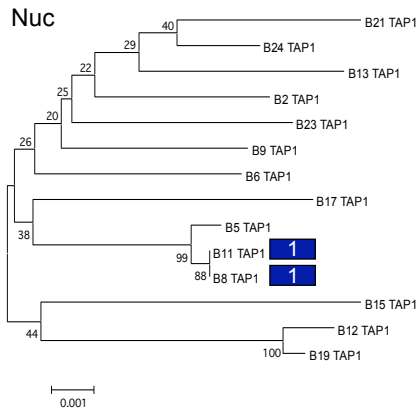
```
CCGGGGTCCGACA GCCGCGCG  
CCGAAATCCGACAGCCGCGCG  
CCGGGGCCCGACA GCCGCGCG  
CCGGGGCCCGACGCCGTGCG  
CCGGGGCTGATAGCCGCGCA  
CCGGGGTTCGATAGCTGCGCG  
CTGGGGCCCGATAATGCGCG  
CTGGGGCCCGATAATGCGCG  
CCGGGGCTAATGCCGCGCG  
TCCGGGGCAATGCCGCGCG  
CCGGGGCCAGTGCCCGCATG  
CCGGGACCCAAATGCCACGCG  
CCGGGACCCAAATGCCACGCG  
CCGGGACCCAAATGCCACGCG
```

BF1 Nuc



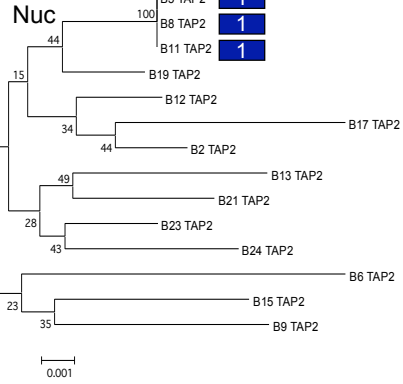
```
CCGCGGTAACATAAGACTGTGTACGGGGTGGCGCGGTGAAATGCGCTGAATTTGTTCCGTTGAAATATACAAATGAGGTGTGAGTCTCCGGCCCGCTTCCAGATTCTGGCACCCGGGCGGCTA  
CCGCGGTAACATAAGACTGTGTACGGGGTGGCGCGGTGAAATGCGCTGAATTTGTTCCGTTGAAATATACAAATGAGGTGTGAGTCTCCGGCCCGCTTCCAGATTCTGGCACCCGGGCGGCTA  
CCGCGGTAACATAAGACTGTGTACGGGGTGGCGCGGTGAAATGCGCTGAATTTGTTCCGTTGAAATATACAAATGAGGTGTGAGTCTCCGGTCTGCCCTTCCAGATTCTGGCACCCGGGCGGCTA  
CCGCGGTAACATAAGACTGTGTACGGGGTGGCGCGGTGAAATGCGCTGAATTTGTTCCGTTGAAATATACAAATGAGGTGTGAGTCTCCGGTCCGCCCTCCGGACTCTGGCACCCGGGCGGCTA  
CCGGCATAACATAAGACTGTGTACGGGGTGGCGCGGTGAAATGCGCTGAATTTCTCCGTATAATATACAAATGAGGTGCTCAGTCTCCGACCCAGCTTCTGGGCCCGGCAACCCGGGCGGCTA  
GGCTGGAAGCATAGACCCTGTACGGGGTGGCGCGGTGAAATGCGCTGCAATTGCTTATCAAGTATACAGGCAAGGATGAGTCTCCGGCCCGCTTCCAGCCCCAAGCACCCTGGCGGCTA  
GGCCGGTTGCATTTGACCCGTGACGGCAATGGCGGGTGAATCTACTGAATCTATCAACAAGTATACAGACTGGTATGAGTCTGGTTCGCCCCCGGGCCCCCGGCAACCCGGGCGGCGA  
GGCCGGTTGCATTTGACCCGTGACGGCAATGGCGGGTGAATCTACTGAATCTATCAACAAGTATACAGACTGGTATGAGTCTGGTTCGCCCCCGGGCCCCCGGCAACCCGGGCGGCGA  
CCGCGGTAACATAAGACTGTGTACGGGGTACCCGGTGAATGCGCTGAATCTGACCAGAGAGTATACAGACTGGTTCGCCCGCTCTCCGGCCACCCGGCACTTGGATGGCTG  
CCGCGGTAACATAAGACTGTGTACGGGGTACCCGGTGAATGCGCTGAATCTGACCAGAGAGTACACAAATGAGGTGCGCAGTCTGGCCCGCTCTCCGGCCACCCGGCACTTGGATGGCTG  
CCGCGGTAACATAAGACTGTGTACGGGGTACCCGGTGAATGCGCTGAATCTGACCAGAGAGTACACAAATGAGGTGCGCAGTCTGGCCCGCTCTCCGGCCACCCGGCACTTGGATGGCTG  
CCGCGGTAACAATTACTCGTGGCTAGGCAGGCGGTGAAATGCGCTGAATCTGACCAGAGAGTACACAAATGAGGTGCGCAGTCTGGCCCGCTCTCCGGCCACCCGGCACTTGGATGGCTA  
CCCGGTAATCTAAGACCACTGCTAGCACAGGCGATACCGCAACGTGCGCCCTGACCAATGGTACCTGAATGAATAAAACAGCGCGGTCCGCCCTCCGGGCCCGGAGGCCCCAGTCTCTGAGCACTTA  
CCGGCATAATATAAGACCACTGCTAGCACAGGCGATACCGCAACGTGCGCCCTGCTTTTCAAGATTACAGAGCTATAAAACAGCGCGGTCCGCCCGGAGGCCCCAGTCTCTGAGCACTTA
```

TAP1 Nuc



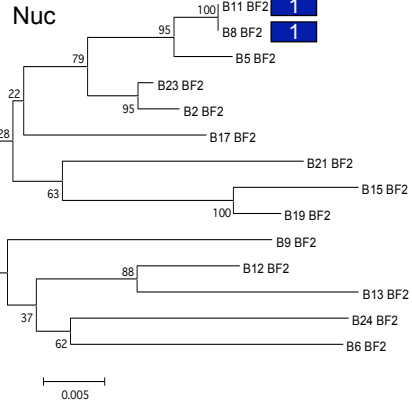
```
GCATCGTCCACGCTGTTGGTAGCCGCGCAATAATGAGCCAGCAACCCGCGGCTCGCTCAGGCCCGCAATG  
GCGCCGCCACGCTTGGTTGGCCCGTTACGGCAATGTGAGCCAGCAACCCGCGGCTCGCCAGGCCCGCAATG  
GCGCCACTTACGCTTGGGCAACTAGCCACGGCCATATGAGCCAGCGCCCGGCTCGCCAGGCCCGCAATG  
GCCTCGCCCGGCTTGGTTGGCCCGTTACGGCCATGTGAGCCAGTCCCGCGGCTCGCTCCGGACCCCGCAATC  
GCACCGTCCGCTTCTGGGGCGCCCGCCACGGCCGTGTGAGCTAGCGCCCGCGGCTCGCCCTGGGCCCCGCAATC  
GAATCGCCACGCTTCAAGCGCCCGCCACGGCCATGTGAGCCAGTCCCGCGGCTCGCCAGGCCCGCGGCTG  
GGCCCGCTTGGCCCTGGGCGGCGCCACAGCCACTGTGAGCTGAGCCAGTTCGCGGCTCGCCAGGCCCGCAATG  
GAGCCGCGCGCACTGGGCGCAACCAACCGCCATGTGAGCCAGCAACCCCTTGGCTTGGCCCGGCGTGCAGTG  
GAGCCGCGCGTGCCTGTTGGCCCGTTAAGGCCATGTGAGCCAGCGCCACCGACTCGCCCGGTTCTGCAGTG  
GAGCCGCGCGTGCCTGGGCGGCGGTTAAGGCCATGTGAGCCAGCGCCACCGACTCGCCCGGTTCTGCAGTG  
GAGCCGCGCGTGCCTGGGCGGCGGTTAAGGCCATGTGAGCCAGCGCCACCGACTCGCCCGGTTCTGCAGTG  
CCGCCCGCGGCTCCAGGCGATTCGCCGACTCATGCCGACCGGACCGCCCGCGGCTCGCCCGGTTCCCGCAGCG  
GAGCTGCCTACGCTGGTGTATCCGCCAAGGCAATGTGAGCCAGCTCCGCCAGCTCGCCCGACTTCCGGGCG  
GAGCTGCCTACGCTGGTGTATCCGCCACGGCAATGTGAGCCAGCGCCCGCACTCGCCCGACTTCCGGGCG
```

TAP2



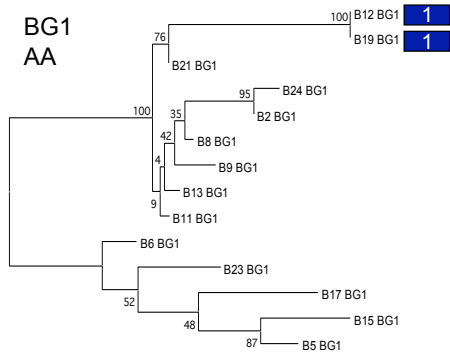
```
GGGCGAGCCGCCACCGCCAACTGGTCCGTCGCAGCCACGGGGGTACAGGCAACGGTCCGGGACCAAGGCCCGGTCGTGCTGCG  
GGGCGAGCCGCCACCGCCAACTGGTCCGTCGCAGCCACGGGGGTACAGGCAACGGTCCGGGACCAAGGCCCGGTCGTGCTGCG  
GGGCGAGCCGCCACCGCCAACTGGTCCGTCGCAGCCACGGGGGTACAGGCAACGGTCCGGGACCAAGGCCCGGTCGTGCTGCG  
GGGCGGAGCCGCCACCGCCAACTGGTCCGTCGCAGCCACGGGGGTACAGGCAACGGTCCGGGACCAAGGCCCGGTCGTGCTGCG  
GGTTCGAGCCGTCACATTGTTCAACGGGTCGGTCGCAGCAGCGGGGACACAGCCACTGGCTTGAAGCAAGCGCCAGCCACACCGCA  
GGGCGAGTCGCCCACCGCCAACTGGTCCGTCGCAGCAGCGGGGACACAGCCACTGGCTTGAAGCAAGCGCCAGCCACACCGCA  
GGGCGAGCCGCCACCGCCAACTGGGTCGGTCGCAGCCATGGAGGACATGCGTGGCAAGCCAGGACACCGGCCCGGCTACGCCGG  
GGGCGAGCCGCCACCGCCAACTGGGTCGGTCGCAGCCATGGAGGACATGCGTGGCAAGCCAGGACACCGGCCCGGCTACGCCGG  
AGTTCGAGCCGTCACACCGCCAGCGGGTTCGTGCGAGTCACGGGAGTACGGGTTGGCAGCCCGGGACAGCGGCTGGCCGTGCCGG  
GGGCGAGCCGTCACACCGCCAGTGGTCCGTCGCAGTACGGGAGTTCGGGTTGGCGCCCGGATCAAGGCCTAGCCTGCAACCGCG  
GGCAGGAGCCGCCACTCTCCAACCTGGTCTGTTGTCGCCAAGAGGTTTGGGGGGCAACCGCAAGGTCGACCCGTGCCGTG  
GACCCAGCCCTTACCTGCTGGCTGATCCGTCGCAGCCACGGGGACTGGGCAAGGCTCGAGATCGCGGCCCGGCTCCGTACCGCG  
GGCGTGAGCCGCCCTCTGCTAGCTGACCAATCGCAACCAGAGGGGTTGGGGCGCGTCCGGGACCGCGGCCGGTTCGTGTTACG
```

BF2



```
CTCCGGCATAAGACCGTCGTACGGGTTGACATCGGAGGAAATGCGAGAAATTGCGTTGAAACGATAACATCATTGCTCGCGAGATATGGGCTCAGCCCGGTCGGTTGGGGCGGGGTAAACACAT  
CTCCGGCATAAGACCGTCGTACGGGTTGACATCGGAGGAAATGCGAGAAATTGCGTTGAAACGATAACATCATTGCTCGCGAGATATGGGCTCAGCCCGGTCGGTTGGGGCGGGGTAAACACAT  
CTCCGGCTCTTTATTACCGTACGGGTTGACATCGGAGGAAATGCGAGAAATTGCGTTGAAACGATAACATCATTGCTCGCGAGATATGGGCTCAGCCCGGTCGGTTGGGGCGGGGTAAACACAT  
GCCCGGCAATTAGACCGTCGTACGGGTTGACATCGGAGGAAATGCGAGAAATTGCGTTGAAACGATAACATCATTGCTCGCGAGATATGGGCTCAGCTCCGGCGGTTGGGCGCGGGGTAAACCGGT  
GCCCGGCTTTAGACCGTCGTACAGGTTGACATCGGAGGAAATGCGAGAAATTGCGTTGAAACGATAACATCATTGCTCGCGAGATATGGGCTCAGCTCCGGCGGTTGGGCGCGGGGTAAACCGGT  
GCCCGGCAATTATTTCATGGGTTGGGTTGACATCGAAACAAAATGCGAGAAAGTACGTTGCAACGATAGAGGCAATTGCTCGCGAGATATGGGCTCAGCTCCGGCAAGTTGGAGCGGGCGGCTACGTTGT  
CTCCGGGCTTTGACCATCTGCTACACCAAGATCGTAGGAGATACGAGAAATGCAATTGCAATGACAGCATGTTGCTAGCGAGGATATGGGCTCAGCTTCAAGCGGTTGGGGCGGGGTGATACGGTT  
GCCGGTCTAAGACCACCGGCTACACCATGACCTCACGACATGCGATGGGCTACGTTAAACGAAAGGATTCATTACTCAGAGATATGGGCTCAGCTTGGCGCGCCAGGTTGCGAGCCGACACCGGT  
GCCCGATCTATGACCACCGGCTACACCATGACCTCACGAGATGCGATGGGTTACATTGAAACGACGATTCATTGCTCGCGAGATATGGGCTCAGCTTGGCGCGCCGGGGCGGGCGGACACCGGT  
GCCCGGCTATGACCACCGGCTCCACTGACATCGCAGGAAAGCGGAGAAAGTCCGTTGAGGCATGAGTAAATCTCCGAGGGTTGGGTTGAGTCTCTGGCGGTTGGAGCGGGGTGATACATTC  
GCCCGGCAATAACTCGTCTGACAGGTTGACATCGGAGGAAATGCGAGAAAGTACGTTGAAACGCGTAATGCTACTGCTCGGAGAGGAACAAGTGAATCTCCGGCGGTTGGGCGCGGGGTAAACCGGT  
GCCCGGCTATACTTGTGCTACACACTGACATCGGACTAAATACGAGAAAGTATGTTGTAATGAGGTCATCATACAGGAGAGGAACAAGTGAATCTCCGGCGGTTGGGCGCGGGGTGATACGAT  
GCCCGGTTATTATTATCATCGCTGGGCTGACCTGGGCGGCAATAAGAGGAAGTACGCTGAAACGCGTAATGTCATCATAACCGTAGATATGACTGAATTCGGACCGGTTAGGGCAGAGCCGACACCGGT  
GCTCCACAATAAGACCACCTGCTGGGCAAGATCGGAGGCAAGCGAGAAAGTACGCTGAAACGAAAGTATCATCATAACGGAGAGTTGAGTGAATTCGGGCTATTGGGGCGGGCCCGATCCGGT
```

BG1
AA

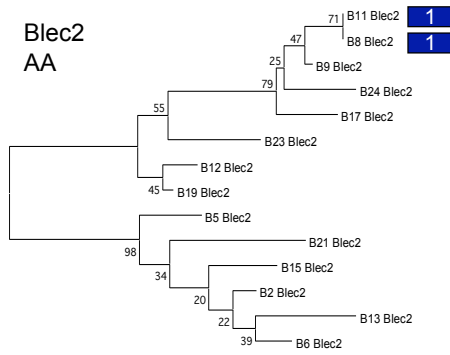


0.005

```

PRR I Q E K D L T K V I V G T Y E G V N T K E N Q I D
PRR I Q E K D L T K V I V G T Y E G V N T K E N Q I D
PRR N Q E D D Q T K V I V G T Y E R V N A E E D K I D
P R H N Q E D D Q I K V I V G T Y K R V S A E D N Q I D
P R H N Q E D D Q I K V I V G T Y E R V S A E D N Q I D
P R R N Q E D D Q T K V I V G T Y E R V S A E D D K I D
P R R N Q E D D Q T K V I V G T Y E R A S A E E D K I D
P R R N Q E D D Q T K V I V G T Y E R V N A E D D K I D
P R R N Q E D D Q T K V I V G T Y E R V N A E E D K I D
P R R N Q E D D Q T M L V L I A I C E R V N A E E D K I D
L R R N H V D D Q T M L V L I A I C E R V S A E D D K I D
L R R N H V D D Q T M L V L I A I C E R V N A E D D K T N
P T R N Q E D Y Q T M L V L I A I C E R V N A E D D K T N
L R R N Q E D D Q T I L V L I A I C E R V N A E D D K T D
    
```

Blec2
AA

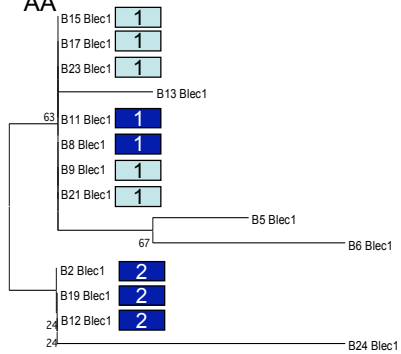


0.005

```

K R V G E I H T W N R E G G D K A R
K R V G E I H T W N R E G G D K A R
K R V G E I H T W N K E G G D K A R
K Q V G E I H T W N K E G K D K A R
T R V G E I H T W N K E G E D K A R
K R V G E I H T W N K E G E V Q A T
K R V G E I Y T W N R E G E D Q A T
K R V G E I Y T W N R E G E D K A T
K R V G K I H K W S R G E K D Q E T
K R M G K I Y K L S R G E K D K A T
K R M R E I Y K W S R G E K D Q E T
K R M G K I Y K W S R G E K D Q E T
K Q V G K T Y K W S R G E K D Q E T
K Q M G K I Y K W S R G E K D Q E T
    
```

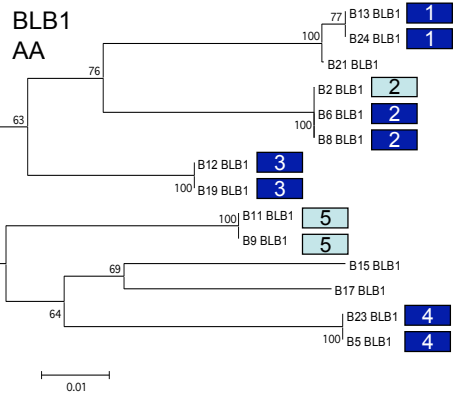
Blec1
AA



0.001

```

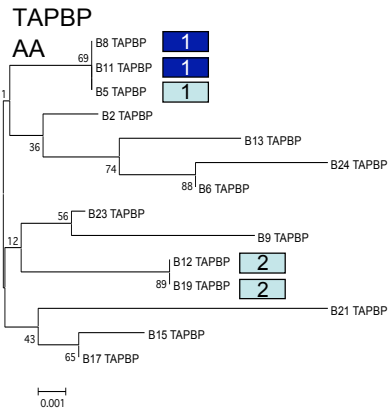
H G A K T P P A P
H G A K T P P A P
H G A K T P P A P
H G A K T A P A P
H G A K T P P A P
H G A K T P P A P
H G A K T P P A P
H G A K T P P A P
H G V N T P P A P
N S V K T P P A P
H G A K T P P T P
H G A K T P P T P
H G A K T P P T P
H G A K M P S T S
    
```



```

QWTFKAHYVYVVEYAHATA GPQAYNILNRMNETYVSCLV
QWTFKAHYVYVVEYAHATA GPQAYNILNRMNETYVSCLV
QWTFKAHYVYVVEYAHATPGPQAYNILNRMNETYVSCLV
QWTFKAHYAFEHIQFMYPATPGRQAINILDEMNAATFGSCLV
QWTFKAHYAFEHIQFMYPATPGRQAINILDEMNAATFGSCLV
QWTFKAHYAFEHIQFMYPATPGRQAINILDEMNAATFGSCLV
FCGAI FHYVFDEIQYAYATPGPQAYNFMNRMNETFGSCLV
FCGAI FHYVFDEIQYAYATPGPQAYNFMNRMNETFGSCLV
FYGMIAHYVLEQIQFAYGTAGPQAYDYLNRMNRFNPCQV
FYGMIAHYVLEQIQFAYGTAGPQAYDYLNRMNRFNPCQV
FYGVIFQFVLEQIQTSYATPDYQVIDILNRMNETVDSWLA
FYGVIFQFVYEQIQLRYASPGYS AIDIMDRMNAARYFSCQV
FDGMSQFVFEQIQYAYATPGRPSYNILYKRGQRYFSCLV
FDGMSQFVFEQIQYAYATPGRPSYNILYKRGQRYFSCLV

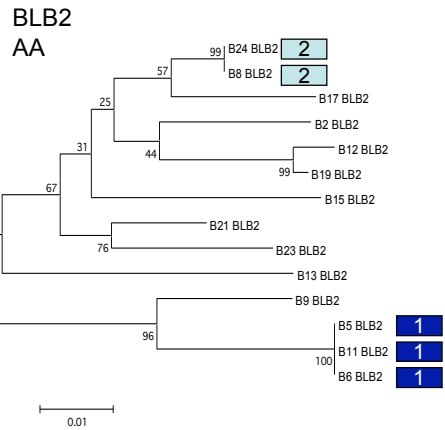
```



```

GRLQGGTPARTRAGRVCVT
GRLQGGTPARTRAGRVCVT
GRLQGGTPARTRAGRVCVT
GRLQGGTSARMRAGRRTV
GLLQGRTPARMRAGRHVVT
GRMQGRTPTRMHAGRRTV
GRLQGRTPTRMRAGRRTV
GRLQGGTPARTRAGRRTV
GRLHSGTPARTRAGRQRTV
GRLQGGTSARTRAGRRTV
GRLQGGTSARTRAGRRTV
RRLQGGAPAQMRASQRTV
GRLQGGTPARTRTSRRVT
GRLQGGTPARTRASRRVT

```

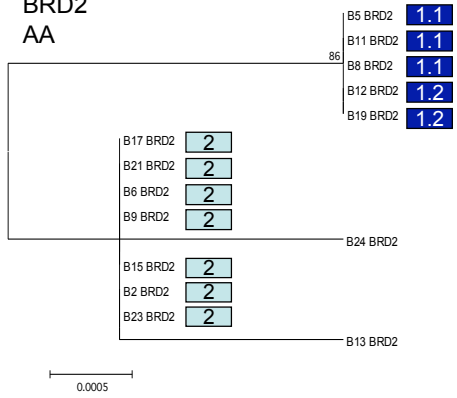


```

RVAFYAGHYVYDEYAFTPGPAYNLLN LMIAGPILSLA
RVAFYAGHYVYDEYAFTPGPAYNLLN LMIAGPILSLA
RVGFYRGHYVYDEYAFTPGRAYNLLN LMIAGSVVSLT
RVAFCAFHYVYQYLVFTPGPAYNLLN LMIAGSILSLA
RVAFCA SHYVYQYFTFSPGPAYNLLN RMEVRFVLSLA
RVAFCA SHYVYQYAFSPGPAYNLLN RMEVRFVLSLA
RVAFHVAHYAFAHYAYTPGPAYNLLN LMTVGPILSQA
SVAFYKGHYVFDQFAFTPGRAYNLLN LMEVRVILSLA
RVASRRAHYVLDQFAFTAGRAYNLLN LMEVRVVFSLA
RVAFYRAHYVFDQLMFTPGPAYDFMIKREVTFVNPQA
RMAFYMLHYVDQTSYSPDYVINILN RMEVTVVVSLA
RVAFYVVFQFVYDQTSYTPDYVIDFLN RMEVRYVVSQA
RVAFYVVFQFVYDQTSYTPDYVIDFLN RMEVRYVVSQA
RVAFYVVFQFVYDQTSYTPDYVIDFLN RMEVRYVVSQA

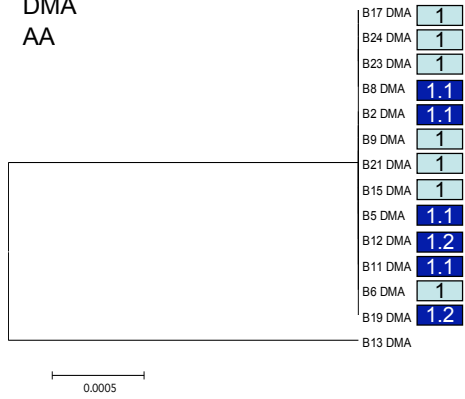
```

BRD2
AA



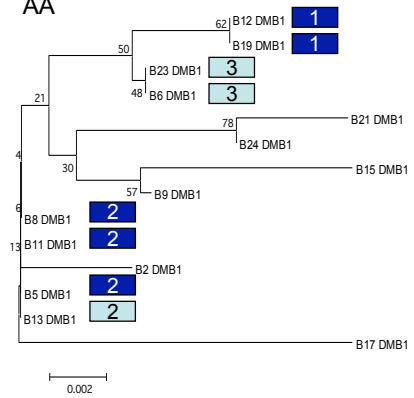
Q S D T
Q S D T
Q S D T
Q S D T
Q S D T
Q S D T
Q S E A
Q S E A
Q S E A
Q S E A
L S E A
Q S E A
Q S E A
Q S E A
Q S E A
Q I E A

DMA
AA



S
S
S
S
S
S
S
S
S
S
S
S
S
S
S
L

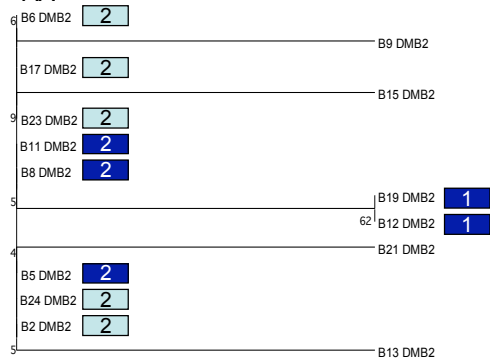
DMB1
AA



L S M V P I A V A S
L S M V P I A V A S
F S M V P I A V A S
F S M V P I A V A S
L G V I P I A V A S
L G V V P I A V A S
F G V V P T A M A S
F G M V P I A M A S
F G M V P I A V A S
F G M V P I A V A S
F G M V P I V I A S
F G M V P I A V A S
F G M V S I A V V F

DMB2

AA

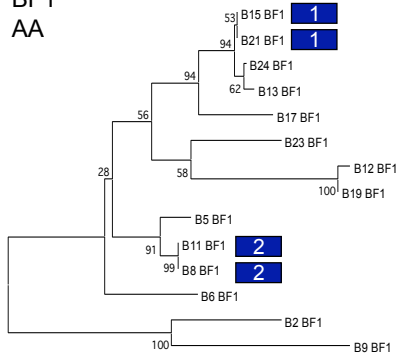


APVHA
 APVHT
 APVHA
 APMHA
 APVHA
 APVHA
 APVHA
 ASVHA
 ASVHA
 VPVHA
 APVHA
 APVHA
 APVHA
 APVRA

0.0005

BF1

AA

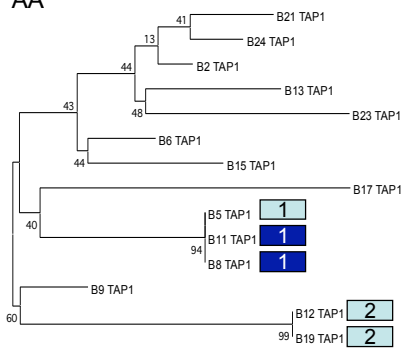


RVACALT I HQYDVYMKAGQGRRSVKVSDTLEYVWFRVYKFI FDKDMKVGWSWGGVAGMAGIRGAGGSSI
 RVACALT I HQYDVYMKAGQGRRSVKVSDTLEYVWFRVYKFI FDKDMKVGWSWGGVAGMAGIRGAGGSSI
 RVACALT I HQYDVYMKAGQGRRSVKVSDTLEYVWFRVYKFI FDKDMKVGWSWGGVAGMVGIRGAGGSSI
 RVACALT I HQYDVYMKAGQGRRSVKVSDTLEYVWFRVYKFI FDKDMKVGWSWGGAAAGMVGIRGAGGSSI
 RVACTLT I HQYDVYMKAGQGRRSVKVSDTLEYVLSRYYKFI FDKDMKVG LQWGRVVG VAGIRGAGGSSI
 GLVCAHTVHQYDVYMKAGQGRRSVKVSDTLEYVWSYSYRF I FDKGAKVRWSWGGAADVASIRGAGGSSI
 GLACALSVHLFDVYMNTGQGGRSVEVSN TLEYVLYHTYRF I FDKGTMVRWSGGGAAGVAGIRGAGGSAI
 GLACALSVHLFDVYMNTGQGGRSVKVSN TLEYVLYHTYRF I FDKGTMVRWSGGGAAGVAGIRGAGGSAI
 RVACALT I HQYDVYMKAEQAGRSVKVSDTLEYAWYHEYRF I FDKGTMVGRQWGGAAAGVAGIRGMGGSSV
 RVACALT I HQYDVYMKAEQAGRSVKVSDTLEYAWYHEYRF I LDKDMKVGRQWGGAAAGVAGIRGMGGSSV
 RVACALT I HQYDVYMKAEQAGRSVKVSDTLEYAWYHEYRF I LDKDMKVGRQWGGAAAGVAGIRGMGGSSV
 RVACALT I QLFTVAMKAREGRRSVKVSDTLEYAWYHEYRF I LDKDMKVGRQWGGAAAGVAGIRGAGVSSI
 RLACALT I SQYDTAINTREAGQIDRENDIRQHAWYHMCRF I LAEDMKYRKQGGVAGVAGLCCGADGSSI
 RVGSTLT I YQYDTAMNTREAGQIDRENDIRQHAWSFYSYRYFFDKGTM YRKQGRGAAGVASLCEADGLSI

0.01

TAP1

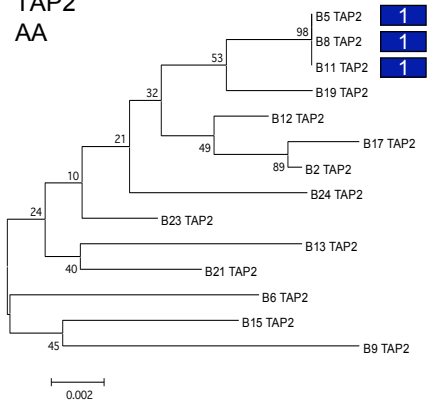
AA



TERMEARRNYRTTRAWARQQESGEG
 TERMEVRRNYRTTRARARQQESGEG
 TERMEVRRNYRATRARARQQESGEG
 TKRMKARRNYRATRARARQQESGEG
 TERMEARRSYRATRARVRQQQSGEG
 TERMEARQNYEATRARARQQESGEG
 TERTEAQRNYEATRARARQQESGEG
 KEHMEARRNCETMRARAREQESGEG
 KECMEVRRNYEATHARARQQESGEG
 KECMEVRRNYEATHARARQQESGEG
 KECMEVRRNYEATHARARQQESGEG
 KERMEARRNYEATRTRARQQESGEG
 KERMEARRNYEATRARAQQEEI IAVM
 KERMEARRNYEATRARAQQEEI IAVM

0.001

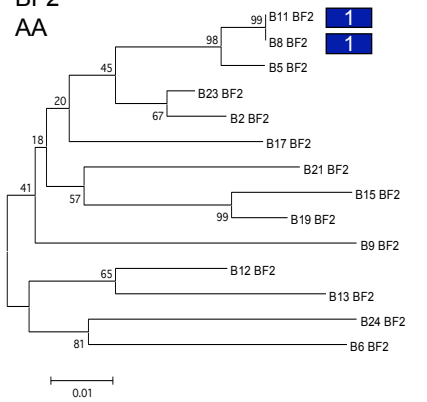
TAP2
AA



```

RWRALTRIAALVDHQVHGKANAGVVARGERHVIITR
HSHALTGVSTLVDHQVRSNADAGMTARGERRVITR
RWRALTRIAALVDHQVHGKANAGVVACGKRPPVTR
RWHALTRISALVDHQVHGKANAGMVACGKRRVVTR
RWHALTRVAALVNYQVRSKVDAGVVARGEKRRVVTR
RWHALTRIAALVDHRVRSKANAGVVARGERHVIITR
RWHALTRISALVDHQVHGKANAGMVACGKRRVVTR
RWHALSRVSTPIDHQVRGNADAGVVACGERRVVMH
RWHALTRISALVDHQVHGKANAGMVACGKRRVVTR
RWHALTRVAALVDYQVHGKADAGVTARGERRVVTR
RWHALTRISALVDHQMRGNVDAGVVTRGEKRIVTR
RWPGVTRVAALVDHQVRSKVDPGVITARSQRRVVTR
RWHALTRVAALVDYRVHGNADAGVVARGKRHVITR
RWHALTRIAALVDHRVRSKANAMVARGERHVIITR
  
```

BF2
AA



```

SACAHQYDVVYMKAEQGIGGNIDRENDILRVWYEDGTYTYFIFGTMFTGDYAGLQGRGVRGQGAVMCKKSTI
SACAHQYDVVYMKAEQGIGGNIDRENDILRVWYEDGTYTYFIFGTMFTGDYAGLQGRGVRGQGAVMCKKSTI
SACASLFITYMKAEQGIGGNIDRENDILRVWYEDGTYTYFIFGTMFTGDYAGLQGRGVRGQGAVMCKKSTI
PACAHLYDVVYMKAAQQGIGGNIDRENGILQVWYEDGTYMYFIFGTMFTGDYAGLQWRGVRGHGAVMKRSAI
PACARLYDVYIKAAQQGIGGNIDRENGILQVWYEGGPYMYFTFPGTMFTGDYAGLQWRGVRGHGAVMKRSAI
PACAHLFIMAMKAQQQIEHNDRENGTLQVRS EDGTYEDFIFGTMFTGDYAGLQWRVRDQGAVVKRLAI
SACARLFDMAINTQREIVGSI NRENDILRVWSE DGT HAYFVFGTMLTGGYAGLQWRGVRGQGAVVKRSSI
PGCASQYDTAINTQSETSRITDRDGGTLQVLYEDGTSDFIFDTMFTGDYAGLQWRGAQQGQAVVKRSAI
PACTSQFDTAINTQSETSRSIDRDGGILQVWYEDGTRYFYFIFGTMFTGDYAGLQWRGARQQGAVVKRSAI
PACASQFDTAMNTQQQIAGNSDRENGTLRVWYGGSPFEYLI FDTMFSGGVAGWSWRGVRDQGAVVKKLST
PACAQQFTVYIKAAQQGIGGNIDRENGILQVWYEGGPYMYFTFPGTMFTESEPRWNWRGVRGHGAVMKRSAI
PACARQFTVYINTQQQIGLNINRENGIRQVWFEDGTRSIFYILDMKFTSESEPRWNWRGVRGHGAVVKRSTI
PACAYLFIAMKAQQQLGGHVNSEDDTLQAWYEGGPYMYFILD MKFTVDYASWNWQGVRGQDITVVKRSAI
LASTQQFDTAMKAQREIGGHTDHGNGILQAWYEDGTSYFYILDMKFTGDVARWNWRGVRGQGLVTRSAI
  
```

Sup Fig 1B

