

BLZ1

BLZ1 gene|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
 BLZ1 cds atggagcgcgctttccgtcgaggagatccccgaccgttctggggccagcgctcgccgcggcagcgccccggccggggcgccatgaaccggtgccgtc
 hpt01 -----
 hpt02 -----
 hpt03 -----
 hpt04 -----
 hpt05 -----
 hpt06 -----
 hpt07 -----
 hpt08 -----

 BLZ1 gene|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
 BLZ1 cds cgagtggtaacttcagaagttcctcgaggaggccgtgctcgacagccccgcccgcgaccctagcccgtgtccgggtctagcggaacgggtcaagcgccgtccgc
 hpt01 -----
 hpt02 -----
 hpt03 -----
 hpt04 -----
 hpt05 -----
 hpt06 -----
 hpt07 -----
 hpt08 -----

 BLZ1 gene|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
 BLZ1 cds gtggcgtggcgaaaaacggcgacggggccgggtggaccgggtggagttacaacgccatgtcaagcagaagctcgagaaggacctcgccgcgtcgccatgtggaggta
 hpt01 -----
 hpt02 -----
 hpt03 -----
 hpt04 -----
 hpt05 -----
 hpt06 -----
 hpt07 -----
 hpt08 -----

 BLZ1 gene|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
 BLZ1 cds cggccgtcgctttataccatcttggtaggcgttccggatgtacgcctgtccgaagttttagccgttttagatcgtcatcgtgcttcgttatctactagtaatgt
 hpt01 -----
 hpt02 -----
 hpt03 -----
 hpt04 -----
 hpt05 -----
 hpt06 -----
 hpt07 -----
 hpt08 -----

BLZ2

The figure displays a genomic sequence diagram for the BLZ2 gene. The x-axis represents genomic position from -80 to 20. A vertical dashed line at position -1 indicates the transcription start site. The gene structure is shown above the sequence, with exons in green and introns in blue. The coding sequence (CDS) is indicated by a red bracket below the sequence. The sequence itself is shown in black, with a color key for bases: A (green), T (red), C (blue), and G (black). Below the sequence, labels for BLZ2 gene, BLZ2 CDS, hpt01 through hpt18, and a poly-A tail (atggagcccgtttctcaactgtggaggag) are provided.

700 710 720 730 740 750 760 770 780 790 800

BLZ2 gene CCAGCCTATCCATGTTGTGTCATTGGTGGTCTGGCGTCATCTCTAACCGAGAACACCATGCACGTTGCCACAAAGAGATTCAACTTGCTTAAAGTTCAAATTGGCTATCT

BLZ2 CDS

hpt01

hpt02

hpt03

hpt04

hpt05

hpt06

hpt07

hpt08

hpt09

hpt10

hpt11

hpt12

hpt13

hpt14

hpt15

hpt16

hpt17

hpt18

810 820 830 840 850 860 870 880 890 900 910

BLZ2 gene TTTTACTAAGTTTTWAAAGAGGATCAGTTATCACGAGCTGGAAAGTCATCGATTAGGAGGGTTGTGGCGAACAGGGAGAGACAATGGAGTTAGCGTTAAGATGT

BLZ2 CDS

hpt01

hpt02

hpt03

hpt04

hpt05

hpt06

hpt07

hpt08

hpt09

hpt10

hpt11

hpt12

hpt13

hpt14

hpt15

hpt16

hpt17

hpt18

3340 3350 3360 3370 3380 3390 3400 3410 3420 3430 3440
BLZ2 gene|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
BLZ2 CDS gATGCCCTTTGGTATTCCAAGTACATTGGTGCCCTACCCCACAACGGGAATCCACTACATTGGATTCAAATGAAATAGGCAACATGGTGATGCAGTAGGAATTATGTGAGA
hpt01
hpt02
hpt03
hpt04
hpt05
hpt06
hpt07
hpt08
hpt09
hpt10
hpt11
hpt12
hpt13
hpt14
hpt15
hpt16
hpt17
hpt18

3450 3460 3470 3480 3490 3500 3510 3520 3530 3540 3550
BLZ2 gene|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
BLZ2 CDS GACCTGAGCCGGAATTATTATTTAAAATAAAATATTGTCGTTGTTCTTGGTGGCCATTGGGGGTAATTGTAATGGTTCTCACCTTGTAAAGCTCAGACTGTGTTAAGGA
hpt01
hpt02
hpt03
hpt04
hpt05
hpt06
hpt07
hpt08
hpt09
hpt10
hpt11
hpt12
hpt13
hpt14
hpt15
hpt16
hpt17
hpt18

BLZ2 gene ATATCTATCATTGTTGTTTCAGAAAGAACCTATACATTGTTGGTATCCCATAACTAATAAAATATCAAAGGTTATTGGACAATAAAGTCATGTGGTTGAGTT
BLZ2 CDS
hpt01
hpt02
hpt03
hpt04
hpt05
hpt06
hpt07
hpt08
hpt09
hpt10
hpt11
hpt12
hpt13
hpt14
hpt15
hpt16
hpt17
hpt18

BPBF

HvGAMYB

HvGAMYB mRNA

HvGAMYB_CDS

hpt01

hpt02

hpt03

hpt04

hpt05

hpt06

hpt07

hpt08

hpt09

hpt10

hpt14

hpt11

hpt12

hpt13

hpt15

hpt16

hpt17

hpt18

-580 -570 -560 -550 -540 -530 -520 -510 -500 -490 -480

	530	540	550	560	570	580	590	600	610	620	630
HvGAMYB mRNA	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
HvGAMYB_CDS	-	-	-	-	-	-	-	-	-	-	-
hpt01	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt02	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt03	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt04	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt05	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt06	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt07	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt08	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt09	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt10	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt14	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt11	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt12	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt13	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt15	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt16	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt17	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT
hpt18	CCG	ATT	TCT	A	AGA	TTT	AT	TT	G	TT	GGAACT

