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Authors	Loughran, Gary;Firth, Andrew E.;Atkins, John F.;Ivanov, Ivaylo P.
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University College Cork, Ireland
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S2 Fig.

A. *Homo sapiens BZW1*

AGGAGACACCGCCGCAGTTGCCGGTACATCGGGGATTTCTGGCTCTTTCCTCTTCGCCTTAAATTCGGGTGTCTTTT
ATGAATAATCAAAAGCAGCAAAAGCCAACGCTATCAGGCCAGCGTTTTAAAACTAGAAAAAGAGATGAAAAAGAGAG
GTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGCTTAACTGAAACCGGTACTGATTTGGAAGCAGTAGCTA
AGTTTCTTGATGCTTCTGGAGCAAAACTTGATTACCGTCGATATGCAGAAACACTCTTTGACATTCTGGTGGCTGGT
GGAATGCTGGCCCCAGGTGGTACACTGGCAGATGACATGATGCGTACAGATGTCTGCGTGTTTGCAGCCCAAGAAGA
TCTAGAGACCATGCAAGCATTTGCTCAGGTTTTTAACAAGTTAATCAGGCGCTACAAATACCTGGAGAAAGGTTTTG
AAGATGAAGTAAAAAAGCTGCTGCTGTTCTTGAAGGGTTTTTCAGAGTCGGAGAGGAACAAGCTAGCTATGTTGACT
GGTGTTCTTCTGGCTAATGGAACACTTAATGCATCCATTCTTAATAGCCTTTATAATGAAAATTTGGTTAAAGAAGG
AGTTTCAGCAGCTTTTGCTGTGAAGCTCTTTAAATCATGGATAAATGAAAAAGATATCAATGCAGTAGCTGCAAGTC
TTCGGAAAGTCAGCATGGATAACAGACTGATGGAACTCTTTCCTGCCAATAAGCAAAGTGTTGAACACTTCACAAAA
TATTTTACTGAGGCAGGCTTGAAAGAGCTTTCAGAATATGTTCGGAATCAGCAAACCATCGGAGCTCGTAAGGAGCT
CCAGAAAGAACTTCAAGAACAGATGTCCCGTGGTGATCCATTTAAGGATATAATTTTATATGTCAAGGAGGAGATGA
AAAAAAACAACATCCCAGAGCCAGTTGTCATCGGAATAGTCTGGTCAAGTGTAATGAGCACTGTGGAATGGAACAAA
AAAGAGGAGCTTGTAGCAGAGCAAGCCATCAAGCACTTGAAGCAATACAGCCCTCTACTTGCTGCCTTTACTACTCA
AGGTCAGTCTGAGCTGACTCTGTTACTGAAGATTCAGGAGTATTGCTATGACAACATTCATTTCATGAAAGCCTTCC
AGAAAATAGTGGTGCTTTTTTTATAAAGCTGAAGTCCTGAGCGAGGAGCCCATTTTGAAGTGGTATAAAGATGCACAT
GTTGCAAAGGGGAAGAGTGTTTTCCTTGAGCAAATGAAAAAGTTTGTAGAATGGCTCAAAAATGCTGAAGAAGAATC
TGAATCTGAAGCTGAAGAAGGTGACTGAATTTTGAAACTACACCCTCAGTAAAGCAAACAGGAGTTGTAGATAAAAT
GTCATGTCTCATGTGTCCTGGTTCTTACATCTTCCTACCTCCCTGTATCAAGCATGATATAAGGGCTTTCATGGCAA
ATTTTATTTTAACTGTTTCTATGGTTGCTGGAAATGTTGGGTTTAGTTTCTAAAACCATGTTTTAAGTAGCTACAGG
AGCTATAGATTTGAATCTAATGTTGCATTAGTCTTTTCAGTTATCTTCTACCTCCTGTATTTTCTACTGTAATAATG
TAATTTAAGGCCTTCCACAATGAACAGTTCACTTTATTCCCTGGGTTTTCTATAAACAGTTTTAAGGATATGATTTG
GTTAAAAAATAATTTGTTATAAAAATTCTGTTTGCAAATTAAACTGGAAAAGTATCCAGAGTCTCAAAAGGCAATGA
TTTGTGAGATAATATGGCATGCCCGGAGCCCTGCTCATCAATGAAAAACCCATATGTAATAATCGAATTCATTTAAC
ATGAATCTTGAGTACGTGGACCATTGCTTGCATGTTAACTTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGCATTTTT
AACTCCAGATATCCTAAAGCTCAATTGTTTGGTCTCTGGTTTTCATCCTTAGAGAAGCCATGGAGAACAGACTTGAA
AAGTTTAGGAAATCATAATGTGGCAGAGGTGGTGGGAAGAAGAAAGTTGAGCTTTTTCCCCTTGAGAAACTTCTGCA
TTTAGTTTCTATCTTTCCAGGCAAAACAAATGGGTATTCTTTTCATACAACCATTTTCAAATGAACCTTAGAAAAGT
CTTAACATTTAAGGTATTTTATGCACAGAATACACTTAGATTGATAGGAAAGAACTCGTAATGGAGTTTGAGTAAAG
AAAATGACTGATGTACTAAACCCAGTAAAAATTGTTGAAAATGTTAAAGGTCAGCATGTTCTAATTGGGAATCTAGA
TATAGCTTAGATTTCCTATTGGCTTAGAGTATTTGCTATAACAAATGAAGTGCAATGACAATTATATATTCCTACTC
GGTCATACTGGACTGGCTTCGTTCTCTTAATATACTCAGTAATGACTCAAGCCTCTGGCTATTAACATACCCTAGTT
GCCGTTTTTTAATTGCCATGAGCCAAATACTTCTTGGTATACAATTGATCCATTTATTTTAATGGCTGCCTTTTCAT
TTTCATCTTTTCTTGCTGCTACCCATCTATGTATGTAGTCATTGGGGGGAAAATGTAGCCACATTTTTTATGGGAAG
ACTTTGTGTTAAAAGTGAACATTTTGAAGGTTTTTAACTGGTGAAACTAGCCTGGAATAATGCCACCAGAGACTGAG
TGGAAATCGCCCCTTTTGAAGGTGCCATTCTTATGAGCCAAAAGTTTGTCATTTAAAAGTTCATTTTGAGGGAATAA
CATGTAATATAATTTGAAATAAAGGTATAGTAACCTTAAAAAGAACATTATAACTGATTGTTGTGAATGGGGTGAAT
TTGTTAAAATGAGTAACTTTGATAAAGTTTTTCATGCACAGGCAAAATGTATTCACTAGATTTCTACGTAGTGATCT
GCTTTTACTTTGTAATTTGTAGTTCTCAAAAGACTTTTTTTTAAAAAAATAAAGTCCATACTTACACTTAAAAAAAA
AAAAAAAAAA

B. *Homo sapiens BZW2*

CTTCACTCCTCCATTGTCTGCCGCCACTGCTGCTGCTGCTGCTGCCGCTGCTGCTGCACGAATCGCCGCAGCCC
CCAGCCTTGCGCGTCGTCGCTACCTCCTCGGACAGAAATTTTATGAATAAGCATCAGAAGCCAGTGCTAACAGGCCA
GCGGTTCAAAACTCGGAAAAGGGATGAAAAAGAGAAATTCGAACCCACAGTCTTCAGGGATACACTTGTCCAGGGGC

TTAATGAGGCTGGTGATGACCTTGAAGCTGTAGCCAAATTTCTGGACTCTACAGGCTCAAGATTAGATTATCGTCGC
TATGCAGACACACTCTTCGATATCCTGGTGGCTGGCAGTATGCTTGCCCCTGGAGGAACGCGCATAGATGATGGTGA
CAAGACCAAGATGACCAACCACTGTGTGTTTTCAGCAAATGAAGATCATGAAACCATCCGAAACTATGCTCAGGTCT
TCAATAAACTCATCAGGAGATATAAGTATTTGGAGAAGGCATTTGAAGATGAAATGAAAAAGCTTCTCCTCTTCCTT
AAAGCCTTTTCCGAAACAGAGCAGACAAAGTTGGCGATGCTGTCGGGGATTCTGCTGGGCAATGGCACCCTGCCCGC
CACCATCCTCACCAGTCTCTTCACCGACAGCTTAGTCAAAGAAGGCATTGCGGCCTCATTTGCTGTCAAGCTTTTCA
AAGCATGGATGGCAGAAAAAGATGCCAACTCTGTTACCTCGTCTTTGAGAAAAGCCAACTTAGACAAGAGGCTGCTT
GAACTCTTTCCAGTTAACAGACAGAGTGTGGATCATTTTGCTAAATACTTCACTGACGCAGGTCTTAAGGAGCTTTC
CGACTTCCTCCGAGTCCAGCAGTCCCTGGGCACCAGGAAGGAACTGCAGAAGGAGCTCCAGGAGCGTCTTTCTCAGG
AATGCCCGATCAAGGAGGTGGTGCTTTATGTCAAAGAAGAAATGAAGAGGAATGATCTTCCAGAAACAGCAGTGATT
GGTCTTCTGTGGACATGTATAATGAACGCTGTTGAGTGGAACAAGAAGGAAGAACTTGTTGCAGAGCAGGCTCTGAA
GCACCTGAAGCAATATGCTCCCCTGCTGGCCGTGTTCAGCTCCCAAGGCCAGTCAGAGCTGATCCTCCTCCAGAAGG
TTCAGGAATACTGCTACGACAACATCCATTTCATGAAAGCCTTTCAGAAGATTGTGGTTCTCTTTTATAAAGCTGAT
GTTCTGAGCGAAGAAGCAATACTGAAATGGTATAAGGAAGCACATGTTGCTAAAGGCAAAAGTGTTTTTCTTGACCA
GATGAAGAAATTTGTTGAGTGGTTACAAAATGCAGAAGAAGAATCCGAATCGGAAGGTGAGGAAAATTAAATGGCTC
AACAAGCACAATACCTAGGTTACCACACACCACTTTTTGATTGGGAATGCTGAACCATTTGAGAAGAGAAACTTGGC
TTCTGTTTTCGCAAAGGAAAAAAAAAAATAGGATAGGCTTCCCTTGTGCAGAGGGAGAAATGGTTTTGTTTTTGTTTT
GTTTTTAAATGGAGCCCTGAGGCATCAGCTATTATACTTGGGACTCTACCTCTCACTCACTATATGCTAACTTAAAG
CCATTCAACAAGGAGTCAAGTAGATCTGAAATTAAATACTCAACAGACTCCTCCTTTTTTAGCTGTATTTTTCAGGT
ACTGTGTGGTGACCGCCCCACTGGTGTCTATTACAGGCCACTTTGGTAGTTGTGTATCTGCTCATGTATGTGATTTG
ACAAACCAGTTTTTTAAAATAAATGGCTTTTTAAAAATCTGGGAAAAAAAAAA