

>MmJ1

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AGTTAGATCGTAAAAATCGCCGAGAAGTCAGACAGATACCCCTCACTGGCTC
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CACCGCGCGGTATATTTACATTCTCCAGAATGTTAAGTGACACTTTAACTGC
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>DrJ1a

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CTCAAAGTCACGTGGGGTCCATAAAGTTAGTTTTATGGTTTTGGGGAGTTGA
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>TrJ1a

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>DrJ1b

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>TrJ1b

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>MmJ2

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>DrJ2a

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>TrJ2a

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>DrJ2b

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>TrJ2b

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>MmJ3

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>DrJ3a

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>TrJ3a

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CACACACAC

MmJ1 CCCAAAAGTCGCTATGACATTTAGATGTCA---AATGGATAGGGGTTTT-----
TrJ1a AAAGAAGGGAGCTTTGACATTTACATGTCA---AACGGATGAAGGTTTTTTTTTTTTTT
DrJ1a ACAAAAAGTAGCTATGACATTTACATGTCA---AACGGATGAGCGTTTT-----
DrJ1b ----TAAcATTCTGCCCTATTTGTATGAAACACAACAGATAAAATCATCT-----
TrJ1b GAAAATACACGCGTGTGCCTTTGGCTTACA---TGTACATAGGCGAGGCTG-----
* ** * *

MmJ1 --ATCTCGAA-GTTAGATCGTAAAAATC-GCCGAGAAGTCAGACAGATACCCCTCACTGG
TrJ1a TCATCTCCAA-GTTGGCTCGTAAAGATCAGCCAAGGCCTCAAAATGATACCTCTCACTGG
DrJ1a --ATCTTGAA-GTTAGATCGTAAAAATC-GCCCAGGCCACAGACAGATACCCCTTACTGG
DrJ1b --TCCCGATTATTTCTTCTGAAGTTCAGTCCATAACACCAACATGTAGCACTTGGTAG
TrJ1b --AGGTTAAA-AAAAAATCCCCCTTGCCAAAGATCGTATAGGCCTATATTACTTACAGA
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MmJ1 CTCGA-GAAAGTCACGTGAGGTCCATAAAAGTTAGTTTTATGGTTTT-GGGGAGTTGACAC
TrJ1a CTCTCCGCTTGTACGTTGGGTCCATAAAAGTTAGTTTTATGGTTTT-GGGGAGTTGACAA
DrJ1a CTCTC-AAAAGTCACGTGAGGTCCATAAAAGTTAGTTTTATGGTTTT-GGGGAGTTGACAA
DrJ1b CTCTAAAAAAGTCACGTGAGGTCCATAAAAGTTAGTTTTATGGTTTTAGGGGGTTGAAAA
TrJ1b CCGTG-AAAAGTCACGTGAGGTCCATAAAAGTTGGTTTTATGGTTTT-GGGGAGTAGACAA
* ***** ***** ***** ***** ** * * *

MmJ1 CGCGCGGTATATTTACATTCTCCAGAATGTTAAGTGACACTTAACTGCT--CACTGTG
TrJ1a TGTACTATATATTTACATTCT--AGAAAGC-AAGTGACGGTTAAACGGCTT-CGCGGGG
DrJ1a TGTACTATATATTTACATTCT--AGAATGC-AAGTGACGGTTAACTGCTT-CGAGGGG
DrJ1b TGCGCTACATAAATTCACATTCT--TGAATGT-AACTGACTGTTAACTGCTTTCAGCGGG
TrJ1b TGTACAATATAAATTCACAACCT--TGAATGA-AAGTGACGGCTTAACTGCGT-GGATGGG
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MmJ1 GTGGGGAAGGGG
TrJ1a ATCCTAAAGGGG
DrJ1a ATTCTAAAGGGT
DrJ1b ATTCTAAAGGTT
TrJ1b ACTGGAAGGCT
* * * *

MmJ2 AGCTATTCTCAACGATTAAATCGCCATTTTAAACAATATAATGGAGTTTGCATCCTGAAAG
DrJ2b TTCGATTCATAACTATTAAGTCCCATTTTGCCCTATAATGCGTTTTGCATATTGATAG
DrJ2a AGCAATTTTAAACGTTTAAATAGCAATTTTGAGACT--AATGCTTTTTGCATATTGATAG
TrJ2b ACATATTCATAACTATTAAGTGGCAATTTAAGCAGCGTAATGAGTATTGCATATTGATAG
TrJ2a CGATGGCCTTAGATTTAAGCTGGCATTTGAAAAGCCCTAATGTCTTCTGCATACTGATAG
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MmJ2 GGGAAATCAACGC--TCATATCTCATCAATAATTCATAGAGTCCGGGATCACGCAGAGGT
DrJ2b GGTAATCTGGGC--GCTGTTCTCATCAATTATTCATTGGGAA--GGGATCACTCGGAGGT
DrJ2a GAGCAATCTGCGA--GCATATCTCATCCATAATGCATAGGGAC--AGGATCATCCAAGGGT
TrJ2b GGGTAATCTGTAG--CCGGATCTCATGCATGATTCATGCCGGCGGGGATCATCGCTGGGT
TrJ2a GGGTAAACCGCACCGGCACGCCTCATGAATAATGCA--GGAGTAAGAGTCATCGGGAGGT
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MmJ2 CAGCAGACGGGGTGG---AGGGGTGCGAGC
DrJ2b CAGTAGACGAAAGTGGC---AAACATGCCTTC
DrJ2a CAGCAGACGGGAGCTGCTGCGAAGGCGCAAGC
TrJ2b CACTAGACG--AGCTGCTGCAGCCGCAGATGC
TrJ2a CAGCAGACGCACTGA--ACAAGGAGACTGC
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MmJ3 GAATCAAATCCTGCTCT-GTCGTTTTTCTCCCAAGTAATGACCTGCGCAAAATTC AATAT
DrJ3a GAATGACCCCCTTCTCGAGCCATTTTTCTTCAAAGTAATGACCTGGGCACAATTCAATAT
TrJ3a GGGGGGAATGGTGAGAGAAGGCAGTGC GGGAGAGGTGAAATGGCCGAATGAAAGGGTGT
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MmJ3 GACCGAGCGAACTG-CGTGAGCATATTATACTA-ACTGCCTGCTCGTGGGGGAGGCCCGG
DrJ3a GAGCCAGCAAATA-TGCATGCAT----TACTATAGA ACTTTAGAGTGGGAGAGACCCAG
TrJ3a GGAAGAGGGAGGGGTGTGGGTGAGG-AAGAGAGGGGACGGTGGGGTGGGTGGGCTTGG
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MmJ3 ----AG-AGGGGTGAACCGCAGGTCACGGCGTCTAAAAATTATTA AATGT---TCGAGA
DrJ3a ----AGTAGGGGTGAACCGGAGGTCAGTGCCTAACA AATATTA AATGT---ACTGGG
TrJ3a CTGTGTGCGGGGTGAACGAGAGGTCACGGCGTCTACCA ATATTA AATGTGTACCGGGG
* *

MmJ3 ACCTCG---TGACGCGCCT-GCT-GTTTAA CAAAGACTG--CCAAAGTATGAGATTAATA
DrJ3a AC-TCG---TGACACGCCTCGCT-GTTTAA CAAAGACTG--CCAAAGTGCAGATTAATA
TrJ3a ACGCGGGGTGACACGCCTCGCCCGTTAAACA AAGAGTGTGCCAAACTGGCAGATTAATT
* *

MmJ3 CGAAA ACTTGCTCTTCAAAA-ACAAA
DrJ3a TGAAA ACTTGAGAGTCCACA-ACAAA
TrJ3a TGAAA ACTTGAGTCCACGCACACAC
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