091818 Young Lab DJA1/DJA2 chimeras sequencing

DJA2-2-1 #1

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NNNNNNNNNGNNGAGCTCTCTGGCTNNCTAGAGAACCCACTGCTTACTGGCTTATCGAAATTAATACGACTCACTATAGGGAGACCCAAGCTGGCTAGTTAAGCTTGGTACCGAGCTCGGATCCGATGGCTAACGTCGCTGACACGAAGCTGTACGACATCCTGGGCGTCCCGCCCGGCGCCAGCGAGAACGAGCTGAAGAAGGCATACAGAAAGTTAGCCAAGGAATATCATCCTGATAAGAATCCAAATGCAGGAGACAAATTTAAAGAAATAAGTTTTGCATATGAAGTACTATCAAATCCTGAGAAGCGTGAGTTATATGACAGATACGGAGAGCAAGGTCTTCGGGAAGGCAGCGGCGGAGGTGGTGGCATGGATGATATTTTCTCTCACATTTTTGGTGGGGGATTGTTCGGCTTCATGGGCAATCAGAGTAGAAGTCGAAATGGCAGAAGAAGAGGAGAGGACATGATGCATCCACTCAAAGTATCTTTAGAAGATCTGTATAATGGCAAGACAACCAAACTACAACTTAGCAAGAATGTGCTCTGTAGTGCATGCAGTGGCCAAGGCGGAAAGTCTGGAGCTGTCCAAAAGTGTAGTGCTTGTCGAGGTCGAGGTGTGCGCATCATGATCAGACAGCTGGCTCCAGGGATGGTACAACAGATGCAGTCTGTGTGCTCTGATTGTAATGGAGAAGGAGAGGTAATTAATGAAAAAGACCGCTGTAAAAAATGTGAAGGGAAGAAGGTGATTAAAGAAGTCAAGATTCTTGAAGTCCACGTAGACAAAGGCATGAAACATGGACAGAGAATTACATTCACTGGGGAAGCAGACCAGGCCCCAGGAGTGGAACCCGGAGATATCATCATTGTGTTAGATCAGAANGGACCATGCTGTTTTTACTCGACGAGGAGAAGANCTTTTCATGTGTATGGACATACAGCTCGTTGAAGCACTGTGTGGCTTCCAGAAGCCANTATCTACTCTTGACNACCGAACCATCGTCATCANCTCTCNTCCAGGTCAGATTGTCAGCATGNNNACNTAAAGTGTGTACTAAATGNNNCATGCNAATTNATCGNNGACCATATGAAAAGGGNCNCCTAATCATCNNNNNNNNAACTTTNNGNANNNNNNNNCNNNNNNNCNGNNNACNGNCNTTGCNNNNAANNCNNNNNNNNNNNNNNNNNNNANNNAACNGATGNANNNNNNAGNNNNNNNNNNNNNNNNNNTNNNANNCNNNNANAANGGNNCCNNNNN

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Underline = alignment between forward and reverse reads

Highlight = overlap with pcDNA3.1 (+) or (-) sequence

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NNNNNNNNNNNNNGAGCTCTCTGGCTAACTAGAGAACCCACTGCTTACTGGCTTATCGAAATTAATACGACTCACTATAGGGAGACCCAAGCTGGCTAGTTAAGCTTGGTACCGAGCTCGGATCCGATGGCTAACGTCGCTGACACGAAGCTGTACGACATCCTGGGCGTCCCGCCCGGCGCCAGCGAGAACGAGCTGAAGAAGGCATACAGAAAGTTAGCCAAGGAATATCATCCTGATAAGAATCCAAATGCAGGAGACAAATTTAAAGAAATAAGTTTTGCATATGAAGTACTATCAAATCCTGAGAAGCGTGAGTTATATGACAGATACGGAGAGCAAGGTCTTCGGGAAGGCAGCGGCGGAGGTGGTGGCATGGATGATATTTTCTCTCACATTTTTGGTGGGGGATTGTTCGGCTTCATGGGCAATCAGAGTAGAAGTCGAAATGGCAGAAGAAGAGGAGAGGACATGATGCATCCACTCAAAGTATCTTTAGAAGATCTGTATAATGGCAAGACAACCAAACTACAACTTAGCAAGAATGTGCTCTGTAGTGCATGCAGTGGCCAAGGCGGAAAGTCTGGAGCTGTCCAAAAGTGTAGTGCTTGTCGAGGTCGAGGTGTGCGCATCATGATCAGACAGCTGGCTCCAGGGATGGTACAACAGATGCAGTCTGTGTGCTCTGATTGTAATGGAGAAGGAGAGGTAATTAATGAAAAAGACCGCTGTAAAAAATGTGAAGGGAAGAAGGTGATTAAAGAAGTCAAGATTCTTGAAGTCCACGTAGACAAAGGCATGAAACATGGACAGAGAATTACATTCACTGGGGAAGCAGACCAGGCCCCAGGAGTGGAACCCGGAGATATCATCATTGTGTTAGATCAGAAGGACCATGCTGTTTTTACTCGACGAGGANAAGACCTTTTCATGTGTATGGACATACAGCTCGTTGAAGCACTGTGTGGCTTCCAGAAGCCAATATCTACTCTTGACNACCGAACCATCGTCATCACNCTCATCCAGGTCAGATTGTCAGCATGGAGANNTAAAGTGTGTACTAAANGNANNATGNCNNTNATCGTANACNNATGAAAAGGGNCNCNTANCATCNNNNNNNNANCTTNNGNNNANGGNNTTNCNNTCNCNNATAANNNNNNNTTGCTNNNNAANNNNNNNNNNNNNNNNNNNNNANNANNGATNNNNNNNNNNTNANNNNNNNNNTTNNNTNNNNNNNGGNNNNNNANGGGNN

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DJA2 CT #2

CMV-F

NNNNNNNNNNNNNNNNCAGAGCTCTCTGGCTAACTAGAGAACCCACTGCTTACTGGCTTATCGAAATTAATACGACTCACTATAGGGAGACCCAAGCTGGCTAG TTAAGCTTGGTACCGAGCTCGGATCCGATGGAGAAAGAACATGAGGTATTTCAGAGAGATGGGAATGATTTGCACATGACATATAAAATAGGACTTGTTGAAGCTCTATGTGGATTTCAGTTCACATTTAAGCACCTTGATGGACGTCAGATTGTGGTGAAATACCCCCCTGGCAAAGTAATTGAACCAGGGTGTGTTCGTGTAGTTCGAGGTGAAGGGATGCCGCAGTATCGTAATCCCTTTGAAAAAGGTGATCTTTACATAAAGTTTGATGTGCAGTTTCCTGAAAACAACTGGATCAACCCAGACAAGCTTTCTGAACTAGAAGATCTTCTGCCATCTAGACCGGAAGTTCCTAACATAATTGGAGAAACAGAGGAGGTAGAGCTTCAGGAATTTGATAGCACTCGAGGCTCAGGAGGTGGTCAGAGGCGTGAAGCCTATAATGATAGCTCTGATGAAGAAAGCAGCAGCCATCATGGACCTGGAGTGCAGTGTGCCCATCAGGCGGCCGCTCGAGGTCACCCATTCGAACAAAAACTCATCTCAGAAGAGGATCTGAATATGCATACCGGTCATCATCACCATCACCATTGAGTTTAAACCCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCATCTGTTGTTTGCCCCTCCCCCGTGCCTTCCTTGACCCTGGAAGGTGCCACTCCCACTGTCCTTTCCTAATAAAATGAGGAAATTGCATCGCATTGTCTGAGTANGTGTCATTCTATTCTGGGGGGTGGGGTGGGGCAGGACAGCAAGGGGGAGGATTGGGAAGACAATAGCAGGCATGCTGGGGATGCGGTGGGCTCTATGGCTTCTGAGGCGGAAGAACCAGCTGGGGCTCTNGGGGGTATCCCCACGCGCCCTGNAGCGGCGCATTAGCGCNGNNGGGTGTGGNNGNNACGCGCAGCGNGACNNTACANTTNNNGCGNCCNANCGCNNCTNNTTCGCTTTCTTNCCTTCNTNCTCGCCACNNNNNNNTTTNCCGNCAANNNNNAANCGGGGNTCCNNNGNNNNNATNNNNNTNNNNNNNGANNNAANNNNNNNNNNNNGNNNNNNGNNNNNNNNNNNNNNNNNTANACGNNNTNNNN

Complete alignment of both DJA2 CT samples until presence of N