

## Overview

[genes alleles inherited from Saccharomyces eubayanus](#)  
[genes alleles inherited from Saccharomyces cerevisiae](#)  
[genes alleles below 80% identity](#)  
[genes alleles copy with same identity in both parents](#)  
[list of paralogs in Saccharomyces pastorianus CBS1503](#)

### Sheet 1: genes alleles inherited from Saccharomyces eubayanus

<i>Saccharomyces pastorianus</i> CBS1503 predicted ORF	<i>Saccharomyces eubayanus</i> parental allele	Gene identities	Gene gaps
SPGP0NI00250	XP_018223918.1	100	0
SPGP0V00100	XP_018222345.1	99	0
SPGP0IC00260	XP_018222781.1	99	0
SPGP0OR00140	XP_018218830.1	99	0
SPGP0FC00110	XP_018219052.1	99	1
SPGP0WS00120	XP_018222749.1	99	0
SPGP0FW00190	XP_018219577.1	99	0
SPGP0LX00160	XP_018219150.1	99	0
SPGP0VH00130	XP_018219684.1	99	0
SPGP0DU00220	XP_018222572.1	99	0
SPGP0UH00140	XP_018220410.1	98	0
SPGP0K00100	XP_018218750.1	99	0
SPGP0KL00170	XP_018221097.1	99	0
SPGP0KZ00100	XP_018223950.1	99	0
SPGP0HA00150	XP_018219873.1	99	0
SPGP0OX00260	XP_018219719.1	99	0
SPGP0AA00220	XP_018221073.1	99	0
SPGP0TO00130	XP_018222807.1	99	0
SPGP0AC00110	XP_018220415.1	99	0
SPGP0K00770	XP_018219509.1	100	0
SPGP0HG00110	XP_018220458.1	99	0
SPGP0LX00140	XP_018219148.1	99	0
SPGP0NV00110	XP_018223448.1	99	0
SPGP0NY00140	XP_018219623.1	99	0
SPGP0NT00250	XP_018222459.1	99	0
SPGP0EY00120	XP_018219090.1	99	0
SPGP0TM00190	XP_018219883.1	99	0
SPGP0IR00140	XP_018219763.1	99	0

SPGP0D01670	XP_018221795.1	99	0
SPGP0WQ00270	XP_018222279.1	99	0
SPGP0MO00260	XP_018219110.1	99	0
SPGP0KZ00150	XP_018223945.1	99	0
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SPGP0LA00200	XP_018220849.1	99	0
SPGP0TQ00180	XP_018220613.1	99	1
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SPGP0GF00150	XP_018219646.1	99	0
SPGP0OE00120	XP_018219608.1	98	2
SPGP0FM00120	XP_018222148.1	99	0
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SPGP0DP00140	XP_018220648.1	99	0
SPGP0OF00350	XP_018222716.1	99	0
SPGP0NY00120	XP_018219621.1	99	0
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SPGP0EZ00130	XP_018219318.1	100	0
SPGP0OI00730	XP_018218877.1	99	0
SPGP0GF00350	XP_018219626.1	99	0
SPGP0OE00290	XP_018219592.1	99	0
SPGP0MO00170	XP_018219102.1	99	0
SPGP0VM00230	XP_018220671.1	100	0
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SPGP0IR00200	XP_018219757.1	98	1
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SPGP0LG00200	XP_018222652.1	100	0
SPGP0VU00130	XP_018222737.1	99	0
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SPGP0CC00120	XP_018220405.1	99	0
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SPGP0IC00200	XP_018222787.1	100	0
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SPGP0ER00130	XP_018218980.1	99	0
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SPGP0LU00210	XP_018224005.1	99	0
SPGP0LI00140	XP_018222249.1	99	0

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SPGP0WI00250	XP_018222133.1	99	0
SPGP0WJ00120	XP_018221058.1	99	0
SPGP0WX00100	XP_018219953.1	99	0
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SPGP0DU00180	XP_018222576.1	99	0
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SPGP0MO00240	XP_018219109.1	100	0
SPGP0KC00100	XP_018222566.1	100	0
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SPGP0LU00110	XP_018224015.1	99	0
SPGP0LA00190	XP_018220848.1	99	0
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SPGP0U00740	XP_018224064.1	99	0
SPGP0BK03210	XP_018221163.1	99	0
SPGP0UJ00230	XP_018223332.1	100	0
SPGP0P00690	XP_018221585.1	99	0
SPGP0C00420	XP_018220321.1	99	0
SPGP0D02280	XP_018221853.1	99	0
SPGP0BE00640	XP_018223270.1	99	0
SPGP0D02530	XP_018221877.1	99	0
SPGP0BK02370	XP_018221241.1	99	0
SPGP0N00280	XP_018219216.1	99	0
SPGP0BK01920	XP_018221285.1	99	0
SPGP0P01120	XP_018221545.1	99	0
SPGP0BK01130	XP_018221361.1	99	0
SPGP0AU00110	XP_018222231.1	99	0
SPGP0BI04010	XP_018223485.1	99	1
SPGP0UI00100	XP_018219183.1	99	0
SPGP0BI03240	XP_018223559.1	100	0
SPGP0HO00340	XP_018219969.1	99	0
SPGP0VQ00100	XP_018222542.1	99	0
SPGP0LX00120	XP_018219146.1	99	0
SPGP0D02700	XP_018221893.1	99	0
SPGP0DW00110	XP_018218955.1	99	0
SPGP0U00550	XP_018224082.1	99	0
SPGP0BK00450	XP_018221427.1	99	0
SPGP0OA00140	XP_018218945.1	99	0
SPGP0M00940	XP_018220938.1	99	0
SPGP0C01790	XP_018220190.1	99	0
SPGP0K02120	XP_018219379.1	99	0
SPGP0K02320	XP_018219359.1	99	0
SPGP0BE01580	XP_018223177.1	100	0
SPGP0K01670	XP_018219422.1	99	0

SPGP0SX00100	XP_018223325.1	99	0
SPGP0BK01830	XP_018221294.1	99	0
SPGP0OX00200	XP_018219725.1	99	0
SPGP0BI02150	XP_018223666.1	99	0
SPGP0BE02270	XP_018223111.1	99	0
SPGP0BK02650	XP_018221214.1	99	0
SPGP0GV00110	XP_018218861.1	98	0
SPGP0UN00190	XP_018220779.1	99	0
SPGP0JN00110	XP_018219070.1	99	0
SPGP0UT00120	XP_018222190.1	98	1
SPGP0VM00190	XP_018220675.1	99	0
SPGP0QW00120	XP_018222604.1	99	0
SPGP0K01220	XP_018219465.1	100	0
SPGP0C03050	XP_018220069.1	99	0
SPGP0N00810	XP_018219268.1	99	0
SPGP0P01300	XP_018221528.1	99	1
SPGP0MO00110	XP_018219096.1	100	0
SPGP0D02490	XP_018221874.1	100	0

## Sheet 2: *genes alleles inherited from Saccharomyces cerevisiae*

<i>Saccharomyces pastorianus</i> CBS1503 predicted ORF	<i>Saccharomyces cerevisiae</i> parental allele	Gene identities	Gene gaps
SPGP0B02470	YHR196W	99	0
SPGP0A04130	YDR197W	99	0
SPGP0L01790	YOR296W	99	0
SPGP0I00890	YJR063W	99	0
SPGP0BF01750	YIL156W-B	99	0
SPGP0I02390	YJL111W	99	0
SPGP0L00840	YOR190W	99	0
SPGP0BG00490	YCL021W-A	99	0
SPGP0H03340	YMR290C	99	0
SPGP0BS00100	YGL216W	100	0
SPGP0VT00100	YPL262W	99	0
SPGP0G00470	YKL161C	99	0
SPGP0H00720	YMR017W	99	0
SPGP0U00120	YAR035W	83	2
SPGP0A01500	YDL093W	99	0
SPGP0BF01580	YIL139C	99	0
SPGP0L01500	YOR264W	99	0
SPGP0L00150	YOR114W	99	0



SPGP0H01570	YMR110C	99	0
SPGP0BF01740	YIL156W	99	0
SPGP0H03020	YMR258C	99	0
SPGP0G00120	YKL197C	99	0
SPGP0A04950	YDR291W	99	0
SPGP0A01020	YDL145C	99	0
SPGP0H02000	YMR155W	99	0
SPGP0F03670	YBL085W	99	0
SPGP0BG00110	YCL064C	100	0
SPGP0X00480	YOL117W	99	0
SPGP0L02440	YOR369C	100	0
SPGP0B02500	YHR199C	99	0
SPGP0F00660	YBR240C	99	0
SPGP0H02910	YMR244C-A	99	0
SPGP0A02470	YDR018C	99	0
SPGP0L00440	YOR147W	99	0
SPGP0G00690	YKL137W	99	0
SPGP0A03920	YDR175C	99	0
SPGP0J01230	YOR014W	99	0
SPGP0J00310	YOL084W	99	0
SPGP0BO00100	YHR205W	99	0
SPGP0J00640	YOL051W	98	2
SPGP0BG00390	YCL032W	99	0
SPGP0BF01270	YIL108W	99	0
SPGP0BG00820	YCR019W	99	0
SPGP0UV00120	YPL243W	99	0
SPGP0A00930	YDL156W	99	0
SPGP0F00480	YBR257W	99	0
SPGP0I02990	YJL179W	99	0
SPGP0I02030	YJL070C	99	0
SPGP0B00380	YHL014C	99	0
SPGP0L02550	YKL221W	99	0
SPGP0A02160	YDL018C	99	0
SPGP0H02950	YMR251W	99	0
SPGP0F01280	YBR172C	99	0
SPGP0QX00200	YMR310C	99	0
SPGP0F01820	YBR115C	99	0
SPGP0H00920	YMR037C	99	0
SPGP0F03430	YBL056W	99	0

SPGP0A02660	YDR040C	98	0
SPGP0B00620	YHR010W	99	0
SPGP0A01920	YDL048C	99	0
SPGP0A02040	YDL033C	100	0
SPGP0I01280	YJR015W	100	0
SPGP0BF00210	YIR008C	99	0
SPGP0F01770	YBR121C	99	0
SPGP0J01010	YOL010W	100	0
SPGP0F01710	YBR128C	99	0
SPGP0I02680	YJL144W	98	0
SPGP0B00450	YHL007C	99	0
SPGP0F00190	YBR288C	99	0
SPGP0A03910	YDR174W	100	0
SPGP0I02630	YJL138C	99	0
SPGP0B01850	YHR134W	100	0
SPGP0F02880	YBR002C	99	0
SPGP0SR00110	YGL192W	99	0
SPGP0A00830	YDL168W	99	0
SPGP0B01040	YHR052W	99	0
SPGP0BF00600	YIL034C	100	0
SPGP0L01560	YOR271C	100	0
SPGP0NH00130	YAL005C	99	0
SPGP0G00260	YKL183W	99	0
SPGP0A05220	YDR318W	99	0
SPGP0FK00210	YGL202W	99	0
SPGP0I00770	YJR076C	99	0
SPGP0L01290	YOR241W	99	0
SPGP0B01270	YHR076W	99	0
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SPGP0B01010	YHR049W	99	0
SPGP0F01690	YBR130C	99	0
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SPGP0ME00130	YGL231C	100	0
SPGP0A04700	YDR263C	99	0
SPGP0WU00150	YER182W	99	0
SPGP0DL00130	YER187W	92	0

SPGP0L00470	YOR150W	99	0
SPGP0G00570	YKL149C	99	0
SPGP0BG00630	YCL001W	100	0
SPGP0A01320	YDL113C	99	0
SPGP0BF01800	YIL161W	99	0
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SPGP0F03450	YBL058W	98	0
SPGP0L00300	YOR130C	99	0
SPGP0H01380	YMR090W	99	0
SPGP0A00330	YDL223C	99	0
SPGP0I01550	YJL013C	99	0
SPGP0A04190	YDR205W	99	0
SPGP0A04650	YDR258C	100	0
SPGP0I02720	YJL148W	98	1
SPGP0NA00110	YCR098C	99	0
SPGP0B02360	YHR185C	100	0
SPGP0H01960	YMR150C	99	0
SPGP0A00390	YDL216C	99	0
SPGP0A00740	YDL178W	99	0
SPGP0L01310	YOR243C	99	0
SPGP0G00780	YKL126W	99	0
SPGP0BF01190	YIL101C	99	0
SPGP0H03120	YMR268C	99	0
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SPGP0BG00120	YCL063W	99	0
SPGP0L00420	YOR144C	99	0
SPGP0B02190	YHR168W	99	0
SPGP0A03440	YDR123C	99	0
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SPGP0VT00130	YPL258C	99	0
SPGP0H00640	YMR009W	98	0
SPGP0B01780	YHR127W	99	0
SPGP0J00410	YOL073C	99	0
SPGP0H00940	YMR039C	99	1
SPGP0I00170	YJR138W	99	0
SPGP0L01160	YOR227W	99	0
SPGP0I00620	YJR094C	100	0
SPGP0A03210	YDR098C	99	0
SPGP0BG00940	YCR030C	99	0

SPGP0I02820	YJL160C	99	0
SPGP0X00290	YOL138C	99	0
SPGP0B01710	YHR119W	99	0
SPGP0L02300	YOR353C	99	0
SPGP0L02050	YOR326W	99	0
SPGP0I02420	YJL116C	99	0
SPGP0H02920	YMR246W	99	0
SPGP0I00540	YJR101W	99	0
SPGP0J01760	YOR075W	99	0
SPGP0X00120	YOL156W	98	0
SPGP0F00830	YBR221C	99	0
SPGP0F00340	YBR272C	99	0
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SPGP0A02640	YDR036C	99	0
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SPGP0G00480	YKL160W	100	0
SPGP0B00730	YHR021C	100	0
SPGP0H00200	YML037C	99	0
SPGP0BF01390	YIL120W	99	0
SPGP0I01590	YJL020C	98	1
SPGP0F02660	YBR025C	99	0
SPGP0BF01020	YIL079C	99	0
SPGP0J01530	YOR047C	99	0
SPGP0F03860	YBL106C	99	0
SPGP0F01950	YBR102C	99	0
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SPGP0B00590	YHR007C	99	0
SPGP0A01510	YDL092W	99	0
SPGP0BF00400	YIL010W	99	0
SPGP0LL00110	YAL026C	99	0
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SPGP0LL00200	YAL034W-A	99	0
SPGP0A01310	YDL114W	99	0
SPGP0F02080	YBR085C-A	100	0
SPGP0BF01000	YIL077C	99	0
SPGP0B02280	YHR177W	99	0
SPGP0BF00780	YIL052C	98	0

SPGP0F02000	YBR095C	99	0
SPGP0I03010	YJL181W	99	0
SPGP0A05080	YDR304C	99	0
SPGP0F01250	YBR176W	99	0
SPGP0I01700	YJL035C	99	0
SPGP0IJ00110	YPL218W	90	0
SPGP0B01640	YHR112C	99	0
SPGP0BG00310	YCL040W	99	0
SPGP0I00410	YJR112W-A	99	0
SPGP0A01010	YDL146W	99	0
SPGP0G01130	YKL085W	99	0
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SPGP0I01010	YJR051W	99	0
SPGP0F01840	YBR112C	99	1
SPGP0A03450	YDR124W	99	0
SPGP0H02760	YMR230W	99	0
SPGP0L01430	YOR256C	99	0
SPGP0B02010	YHR150W	99	0
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SPGP0I00910	YJR061W	99	0
SPGP0I02940	YJL173C	98	0
SPGP0B02450	YHR194W	99	0
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SPGP0L00820	YOR188W	99	0
SPGP0L00790	YOR185C	99	0
SPGP0A00380	YDL217C	99	0
SPGP0FK00140	YGL210W	99	0
SPGP0F01190	YBR183W	99	0
SPGP0G00400	YKL167C	99	0
SPGP0TI00110	YAL062W	99	0
SPGP0I01900	YJL056C	99	0
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SPGP0A04080	YDR191W	99	0
SPGP0L00170	YOR116C	99	0
SPGP0H01590	YMR112C	99	0

SPGP0B02340	YHR183W	99	0
SPGP0BFtna15E	YDR278C	100	0
SPGP0G00100	YKL201C	99	0
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SPGP0F00640	YBR242W	100	0
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SPGP0H01370	YMR089C	99	0
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SPGP0I01300	YJR013W	99	0
SPGP0I00940	YJR058C	99	0
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SPGP0I00360	YJR118C	99	0
SPGP0F02690	YBR022W	100	0
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SPGP0B00900	YHR038W	99	0
SPGP0A00310	YDL225W	99	0
SPGP0A05140	YDR310C	99	0
SPGP0DL00100	YER184C	99	0
SPGP0I01390	YJR005C-A	100	0
SPGP0L00360	YOR137C	99	0
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SPGP0F02170	YBR078W	99	0
SPGP0F00740	YBR233W	99	0
SPGP0I01480	YJL004C	99	0
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SPGP0G00230	YKL186C	99	0
SPGP0IY00190	YGL250W	99	0
SPGP0I03220	YJL206C	99	0
SPGP0BO00150	YHR210C	99	0
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SPGP0A01300	YDL115C	99	0
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SPGP0H02290	YMR184W	99	0
SPGP0F02090	YBR085W	99	0
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SPGP0L00580	YOR161C	99	0
SPGP0X00300	YOL137W	99	0
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SPGP0BF01260	YIL107C	99	0
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SPGP0A00410	YDL214C	99	0
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SPGP0A00350	YDL220C	99	0
SPGP0A03420	YDR121W	98	1
SPGP0BF01440	YIL125W	99	0
SPGP0BG00370	YCL034W	99	0
SPGP0NA00100	YCR099C	99	0
SPGP0J01810	YOR080W	99	0
SPGP0H01890	YMR143W	99	0
SPGP0J00430	YOL071W	99	0
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SPGP0I00590	YJR096W	99	0
SPGP0L01180	YOR229W	98	1
SPGP0J00230	YOL092W	99	0
SPGP0L01980	YOR317W	99	0
SPGP0H02900	YMR244W	99	0
SPGP0A03270	YDR105C	99	0
SPGP0AC00100	YLL021W	81	1
SPGP0I00180	YJR137C	99	0
SPGP0F02330	YBR060C	99	0
SPGP0BF00390	YIL009C-A	99	0
SPGP0H00220	YML035C	99	0
SPGP0I02840	YJL162C	98	1
SPGP0J01740	YOR073W	99	0



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SPGP0H03050	YMR261C	99	0
SPGP0L02320	YOR355W	99	0
SPGP0G00710	YKL134C	99	0
SPGP0B01690	YHR117W	99	0
SPGP0LA00100	YER188W	90	0
SPGP0VR00140	YLR300W	86	0
SPGP0F01270	YBR173C	99	0
SPGP0I02400	YJL112W	99	0
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SPGP0X00140	YOL154W	99	0
SPGP0F00360	YBR270C	99	0
SPGP0L02180	YOR341W	99	0
SPGP0A02580	YDR030C	99	0
SPGP0J00290	YOL086W-A	99	0
SPGP0A00770	YDL175C	99	0
SPGP0L01040	YOR213C	99	0
SPGP0I01150	YJR035W	99	0
SPGP0B01450	YHR093W	99	0
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SPGP0H00770	YMR022W	100	0
SPGP0B00860	YHR034C	99	1
SPGP0ME00150	YGL229C	99	0
SPGP0A01530	YDL090C	99	0
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SPGP0A00120	YNL334C	98	0
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SPGP0F02950	YBL006C	99	0

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SPGP0CB00170	YIR027C	99	0
SPGP0BF00830	YIL061C	99	0
SPGP0B02430	YHR192W	99	0
SPGP0A04810	YDR277C	99	0
SPGP0A04170	YDR202C	99	0
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SPGP0F03000	YBL011W	99	0
SPGP0F03550	YBL069W	99	0
SPGP0G00420	YKL165C	99	0
SPGP0H01750	YMR128W	99	0
SPGP0L00800	YOR186W	98	0
SPGP0A00290	YDL227C	99	0
SPGP0I02070	YJL074C	99	0
SPGP0L00970	YOR206W	99	0
SPGP0F03240	YBL035C	99	0
SPGP0BG00430	YCL028W	99	1
SPGP0QO00120	YGL238W	99	0
SPGP0H02220	YMR177W	99	0
SPGP0H01140	YMR064W	99	0
SPGP0BG00400	YCL031C	99	0
SPGP0L00110	YOR110W	99	0
SPGP0I01180	YJR032W	99	0
SPGP0BF00750	YIL049W	98	0
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SPGP0I01130	YJR039W	99	0
SPGP0F01310	YBR169C	99	0
SPGP0H02480	YMR202W	100	0
SPGP0J00490	YOL065C	99	0
SPGP0G00940	YKL106W	99	0
SPGP0H02810	YMR235C	99	0
SPGP0F00950	YBR207W	99	0
SPGP0CB00220	YIR032C	99	0
SPGP0J00740	YOL040C	100	0
SPGP0B01620	YHR110W	100	0
SPGP0A00810	YDL170W	99	0
SPGP0HT00280	YPL006W	83	1
SPGP0H00620	YMR008C	99	1
SPGP0B01510	YHR099W	99	0
SPGP0X00500	YOL115W	99	0
SPGP0J00910	YOL020W	99	0
SPGP0B00200	YHL032C	99	0
SPGP0F00540	YBR252W	100	0
SPGP0A05190	YDR315C	100	0
SPGP0G01060	YKL092C	100	0
SPGP0F03110	YBL023C	99	0
SPGP0NH00200	YAL013W	99	0
SPGP0F01700	YBR129C	99	0
SPGP0BG00510	YCL017C	99	0
SPGP0A03550	YDR135C	99	0
SPGP0A03840	YDR168W	99	0

SPGP0J00530	YOL061W	99	0
SPGP0H01690	YMR122W-A	100	0
SPGP0L02140	YOR337W	99	0
SPGP0X00310	YOL136C	99	0
SPGP0H03350	YMR291W	99	0
SPGP0I00370	YJR117W	99	0
SPGP0J01370	YOR030W	99	0
SPGP0F03580	YBL074C	99	0
SPGP0X00560	YOL109W	99	0
SPGP0B01090	YHR059W	99	0
SPGP0I03130	YJL196C	99	0
SPGP0BF00710	YIL045W	99	0
SPGP0J00700	YOL044W	99	0
SPGP0I02570	YJL132W	99	0
SPGP0BF01760	YIL157C	99	0
SPGP0H02460	YMR200W	99	0
SPGP0F03320	YBL042C	99	0
SPGP0H01340	YMR086W	99	0
SPGP0L00960	YOR205C	99	0
SPGP0XB00160	YPR002W	81	0
SPGP0J00890	YOL022C	100	0
SPGP0H03080	YMR264W	100	0
SPGP0A00950	YDL154W	99	0
SPGP0F00210	YBR286W	99	0
SPGP0A02330	YDR002W	100	0
SPGP0BG01020	YCR038C	99	0
SPGP0BG00290	YCL044C	99	0
SPGP0NM00100	YGL257C	98	0
SPGP0A00870	YDL164C	99	0
SPGP0B00530	YHR002W	99	0
SPGP0B00260	YHL026C	99	0
SPGP0F01680	YBR131W	99	0
SPGP0I02650	YJL140W	99	0
SPGP0L01800	YOR297C	99	0
SPGP0A05200	YDR316W	99	0
SPGP0G00820	YKL121W	99	0
SPGP0G01080	YKL090W	99	0
SPGP0B00160	YHL036W	99	0
SPGP0F03130	YBL025W	99	0

SPGP0H02130	YMR168C	99	0
SPGP0GU00190	YPL272C	99	0
SPGP0I02260	YJL097W	99	0
SPGP0G00550	YKL151C	99	0
SPGP0A03350	YDR115W	99	0
SPGP0L01730	YOR290C	99	0
SPGP0BG00650	YCR002C	99	0
SPGP0J00510	YOL063C	99	0
SPGP0L02420	YOR367W	99	0
SPGP0H01790	YMR132C	100	0
SPGP0FK00100	YGL215W	99	0
SPGP0J01390	YOR032C	99	0
SPGP0F03300	YBL040C	99	0
SPGP0I02240	YJL095W	99	0
SPGP0BG00330	YCL038C	99	0
SPGP0FH00100	YGL262W	82	0
SPGP0VT00200	YPL252C	100	0
SPGP0J00160	YOL100W	99	0
SPGP0I02450	YJL121C	99	0
SPGP0H03010	YMR257C	99	0
SPGP0A02350	YDR004W	99	0
SPGP0B01190	YHR069C	99	0
SPGP0A03700	YDR152W	100	0
SPGP0A00850	YDL166C	99	0
SPGP0B00550	YHR004C	99	0
SPGP0H03480	YMR304W	99	0
SPGP0I01820	YJL048C	99	0
SPGP0F03510	YBL064C	99	0
SPGP0BG00550	YCL011C	99	0
SPGP0J01430	YOR036W	99	0
SPGP0H02630	YMR217W	99	0
SPGP0EP00100	YGL176C	99	0
SPGP0H02440	YMR198W	99	0
SPGP0H01860	YMR139W	100	0
SPGP0L01710	YOR288C	99	0
SPGP0J00570	YOL057W	99	0
SPGP0F01610	YBR139W	99	0
SPGP0X00370	YOL129W	99	0
SPGP0G00340	YKL174C	99	0
SPGP0I00480	YJR107W	99	0



SPGP0F00400	YBR265W	99	0
SPGP0H02360	YMR191W	99	0
SPGP0BF00990	YIL076W	99	0
SPGP0BG00200	YCL054W	99	0
SPGP0H01650	YMR118C	99	0
SPGP0L00380	YOR140W	99	0
SPGP0A01260	YDL120W	99	0
SPGP0A02370	YDR006C	99	0
SPGP0L01600	YOR275C	99	0
SPGP0EC00100	YGR009C	85	1
SPGP0B02260	YHR175W	99	0
SPGP0BG00690	YCR006C	99	0
SPGP0A03290	YDR107C	99	0
SPGP0BF00760	YIL050W	99	0
SPGP0A01590	YDL085W	99	0
SPGP0A00180	YDL239C	99	0
SPGP0A04390	YDR229W	100	0
SPGP0GU00150	YPL268W	99	0
SPGP0A03480	YDR127W	99	0
SPGP0H01510	YMR104C	99	0
SPGP0I00690	YJR086W	99	0
SPGP0J01600	YOR057W	99	0
SPGP0L01820	YOR298C-A	99	0
SPGP0F01060	YBR196C	99	0
SPGP0G01170	YKL080W	98	0
SPGP0A04720	YDR265W	99	0
SPGP0A00370	YDL218W	99	0
SPGP0B00820	YHR030C	99	0
SPGP0I01860	YJL052W	99	0
SPGP0B01480	YHR097C	99	0
SPGP0B00570	YHR005C-A	99	0
SPGP0L02160	YOR339C	100	0
SPGP0L00880	YOR194C	99	0
SPGP0B02380	YHR187W	100	0
SPGP0BG00670	YCR004C	99	0
SPGP0H01530	YMR106C	99	0
SPGP0A01080	YDL139C	99	0
SPGP0J00470	YOL067C	99	0
SPGP0I01840	YJL050W	99	0
SPGP0J01270	YOR019W	99	0

SPGP0A01360	YDL109C	99	0
SPGP0A02620	YDR034C	99	0
SPGP0L00450	YOR148C	98	0
SPGP0I00500	YJR105W	99	0
SPGP0BF00340	YIL005W	99	0
SPGP0F01370	YBR163W	99	0

### Sheet 3: genes alleles below 80% identity

<i>Saccharomyces pastorianus</i> CBS1503 predicted ORF	Parentale allele ID	Parent	Gene identities	Gene gaps
SPGP0VO00160	YCR075C	<i>Saccharomyces cerevisiae</i>	78	1
SPGP0KL00200	YKR064W	<i>Saccharomyces cerevisiae</i>	78	1
SPGP0HJ00130	XP_018224047.1	<i>Saccharomyces eubayanus</i>	78	2

### Sheet 4: genes alleles copy with same identity in both parents

<i>Saccharomyces pastorianus</i> CBS1503 predicted ORF	Parental allele ID	Parent	Gene identities	Gene gaps
SPGP0MF00250	YGL030W	<i>Saccharomyces cerevisiae</i>	99	0
SPGP0MF00250	XP_018222195.1	<i>Saccharomyces eubayanus</i>	99	0
SPGP0ltrna26K	YDR445C	<i>Saccharomyces cerevisiae</i>	100	0
SPGP0ltrna26K	DI49_5468	<i>Saccharomyces eubayanus</i>	100	0
SPGP0JF00280	YPR132W	<i>Saccharomyces cerevisiae</i>	99	0
SPGP0JF00280	XP_018222326.1	<i>Saccharomyces eubayanus</i>	99	0
SPGP0TVtrna20G	YNL285W	<i>Saccharomyces cerevisiae</i>	100	0
SPGP0TVtrna20G	DI49_2297	<i>Saccharomyces eubayanus</i>	100	0
SPGP0HJ00140	YDR531W	<i>Saccharomyces cerevisiae</i>	83	0
SPGP0HJ00140	XP_018224046.1	<i>Saccharomyces eubayanus</i>	83	0
SPGP0SV00110	YCR039C	<i>Saccharomyces cerevisiae</i>	100	0
SPGP0SV00110	XP_018223412.1	<i>Saccharomyces eubayanus</i>	100	0
SPGP0Dtrna17T	YHR180W-A	<i>Saccharomyces cerevisiae</i>	100	0
SPGP0Dtrna17T	DI49_5553	<i>Saccharomyces eubayanus</i>	100	0
SPGP0Ftrna14I	YNL017C	<i>Saccharomyces cerevisiae</i>	100	0
SPGP0Ftrna14I	DI49_5614	<i>Saccharomyces eubayanus</i>	100	0
SPGP0ltrna29R	YGR164W	<i>Saccharomyces cerevisiae</i>	100	0
SPGP0ltrna29R	DI49_4020	<i>Saccharomyces eubayanus</i>	100	0
SPGP0ltrna32G	YPR159C-A	<i>Saccharomyces cerevisiae</i>	100	0
SPGP0ltrna32G	DI49_5603	<i>Saccharomyces eubayanus</i>	100	0

### Sheet 5: list of paralogs in *Saccharomyces pastorianus* CBS1503

List of paralogs	<i>S. eubayanus</i> -like content	<i>S. pastorianus</i> content	<i>S. cerevisiae</i> -like content
SPGP0CVtrna3N; DI49_5581; SPGP0CV00100; SPGP0Jtrna1N; YOL054W; SPGP0Jtrna2N; SPGP0Mtrna4N; SPGP0EKtrna6N; DI49_3921; SPGP0Ntrna5N; SPGP0LJtrna7N; DI49_5582; DI49_1403; SPGP0MStrna9N; DI49_2081; DI49_3381; SPGP0Dtrna11N; DI49_2351; DI49_4738; YCR008W; SPGP0BGtrna13N	DI49_5581; DI49_3921; DI49_5582; DI49_1403; DI49_2081; DI49_3381; DI49_2351; DI49_4738	SPGP0CVtrna3N; SPGP0CV00100; SPGP0Jtrna1N; SPGP0Jtrna2N; SPGP0Mtrna4N; SPGP0EKtrna6N; SPGP0Ntrna5N; SPGP0LJtrna7N; SPGP0MStrna9N; SPGP0Dtrna11N; SPGP0BGtrna13N	YOL054W; YCR008W
DI49_0756; SPGP0CV00110	DI49_0756	SPGP0CV00110	
DI49_1621; DI49_1620	DI49_1621; DI49_1620		
DI49_1622; SPGP0CW00120	DI49_1622	SPGP0CW00120	
DI49_3910; DI49_2609; DI49_3909	DI49_3910; DI49_2609; DI49_3909		
DI49_3907; DI49_3908	DI49_3907; DI49_3908		
DI49_3905; DI49_3906	DI49_3905; DI49_3906		
DI49_3903; SPGP0CX00160; YDL075W; SPGP0BE03400	DI49_3903	SPGP0CX00160; SPGP0BE03400	YDL075W
DI49_3901; DI49_3902	DI49_3901; DI49_3902		
DI49_0595; DI49_3900	DI49_0595; DI49_3900		
DI49_0593; DI49_0594	DI49_0593; DI49_0594		
DI49_4770; DI49_4769	DI49_4770; DI49_4769		
DI49_4772; DI49_4771	DI49_4772; DI49_4771		
DI49_4774; DI49_4773	DI49_4774; DI49_4773		
DI49_4776; DI49_4775	DI49_4776; DI49_4775		
DI49_4778; DI49_4777	DI49_4778; DI49_4777		
DI49_4780; DI49_0833; DI49_0834 SPGP0DA00100; YNR076W; DI49_1930; YBR301W; YPL246C	DI49_4780; DI49_0833; DI49_0834 DI49_1930	SPGP0DA00100	YNR076W; YBR301W; YPL246C
DI49_1928; DI49_1820; DI49_1821	DI49_1928; DI49_1820; DI49_1821		
SPGP0DBtrna2L; DI49_4635; DI49_1366	DI49_4635; DI49_1366	SPGP0DBtrna2L	
DI49_1368; DI49_1367	DI49_1368; DI49_1367		
DI49_1370; DI49_1369	DI49_1370; DI49_1369		
DI49_3335; DI49_3336	DI49_3335; DI49_3336		
YJR029W; SPGP0GZ00100; DI49_4730 SPGP0Jtrna2T; SPGP0Itrna26T; YOL105C; YOR013W; YDL007C-A; YHR006W; SPGP0NAtRNA12T; SPGP0BFtrna21T; YIL102C	DI49_4730	SPGP0GZ00100  SPGP0Jtrna2T; SPGP0Itrna26T; SPGP0NAtRNA12T; SPGP0BFtrna21T	YJR029W  YOL105C; YOR013W; YDL007C-A; YHR006W; YIL102C
YOL103W; YOL104C			YOL103W; YOL104C
YOL101C; DI49_2305	DI49_2305		YOL101C
YOL100W; DI49_2306	DI49_2306		YOL100W
YOL098C; DI49_2307	DI49_2307		YOL098C
YOL097C; DI49_2308	DI49_2308		YOL097C
YOL096C; DI49_2309	DI49_2309		YOL096C
YOL095C; DI49_2310	DI49_2310		YOL095C
YOL094C; DI49_2311; YOL093W; DI49_2312	DI49_2311; DI49_2312		YOL094C; YOL093W
YOL091W; DI49_2314	DI49_2314		YOL091W

YOL090W; DI49_2315	DI49_2315	YOL090W
YOL089C; DI49_2316; YOL088C; DI49_2317	DI49_2316; DI49_2317	YOL089C; YOL088C
YOL086W-A; YOL087C		YOL086W-A; YOL087C
YOL084W; YOL086C		YOL084W; YOL086C
YOL082W; YOL083W		YOL082W; YOL083W
YOL080C; YOL081W; DI49_2324; DI49_2325	DI49_2324; DI49_2325	YOL080C; YOL081W
YOL077W-A; YOL078W		YOL077W-A; YOL078W
YOL076W; DI49_2329	DI49_2329	YOL076W
YOL075C; DI49_2330; YOL073C; DI49_2331	DI49_2330; DI49_2331	YOL075C; YOL073C
YOL071W; YOL072W		YOL071W; YOL072W
YOL069W; DI49_2335	DI49_2335	YOL069W
YOL068C; DI49_2336; YOL067C; DI49_2337	DI49_2336; DI49_2337	YOL068C; YOL067C
YOL065C; YOL066C		YOL065C; YOL066C
YOL063C; YOL064C		YOL063C; YOL064C
YOL061W; DI49_2343	DI49_2343	YOL061W
YOL060C; DI49_2344	DI49_2344	YOL060C
YOL059W; DI49_2345	DI49_2345	YOL059W
YOL058W; DI49_2346; YOL057W; DI49_2347	DI49_2346; DI49_2347	YOL058W; YOL057W
YOL055C; DI49_2348; YPL258C	DI49_2348	YOL055C; YPL258C
SPGP0Jtrna3G; SPGP0ltna32G; DI49_0764; SPGP0Atrna2G; YDR262W; DI49_4046; SPGP0PZtrna18G; DI49_2184; SPGP0QPtrna19G; SPGP0Dtrna16G; SPGP0Betrna21G; DI49_0870; DI49_1663; SPGP0BGtrna23G; YCR016W; SPGP0WFtrna25G; DI49_3364; DI49_0441; SPGP0BKtrna28G; DI49_3059; SPGP0BKtrna29G; SPGP0Htrna30G; YML043C; SPGP0ltna31G; YJR051W	SPGP0Jtrna3G; SPGP0ltna32G; SPGP0Atrna2G; SPGP0PZtrna18G; SPGP0QPtrna19G; SPGP0Dtrna16G; SPGP0Betrna21G; SPGP0BGtrna23G; SPGP0WFtrna25G; SPGP0BKtrna28G; SPGP0BKtrna29G; SPGP0Htrna30G; SPGP0ltna31G	YDR262W; YCR016W; YML043C; YJR051W
YOL052C-A; YOL053W		YOL052C-A; YOL053W
YOL051W; DI49_2355; YOL049W; DI49_2356	DI49_2355; DI49_2356	YOL051W; YOL049W
YOL047C; YOL048C		YOL047C; YOL048C
YOL045W; DI49_2357; YOL044W; DI49_2358	DI49_2357; DI49_2358	YOL045W; YOL044W
YOL042W; YOL043C		YOL042W; YOL043C
YOL040C; DI49_2362	DI49_2362	YOL040C
YOL039W; DI49_2363; YOL038W; DI49_2364	DI49_2363; DI49_2364	YOL039W; YOL038W
YOL034W; DI49_2366; YOL033W; DI49_2367	DI49_2366; DI49_2367	YOL034W; YOL033W
YOL031C; YOL032W		YOL031C; YOL032W
YOL028C; YOL030W		YOL028C; YOL030W
YOL026C; YOL027C		YOL026C; YOL027C
YOL025W; DI49_2374; SPGP0EMtrna5S; DI49_3829; DI49_0521	DI49_2374; DI49_3829; DI49_0521	YOL025W
YOL023W; DI49_2377; YOL022C; DI49_2378	DI49_2377; DI49_2378	YOL023W; YOL022C
YOL021C; DI49_2380; YOL020W; DI49_2381	DI49_2380; DI49_2381	YOL021C; YOL020W
YOL019W; SPGP0ltna12Y; SPGP0Atrna1Y; YJR056C		YOL019W; YJR056C
	SPGP0ltna12Y; SPGP0Atrna1Y	

YOL017W; YOL018C			YOL017W; YOL018C
YOL015W; YOL016C			YOL015W; YOL016C
YOL013W-A; SPGP0Jtrna2P; SPGP0Htrna19P; SPGP0Ltrna4P; SPGP0NHtrna10P		SPGP0Jtrna2P; SPGP0Htrna19P; SPGP0Ltrna4P; SPGP0NHtrna10P	YOL013W-A
YOL013C; DI49_2390	DI49_2390		YOL013C
YOL012C; DI49_2391	DI49_2391		YOL012C
YOL011W; DI49_2392; YOL010W; DI49_2393	DI49_2392; DI49_2393		YOL011W; YOL010W
YOL008W; YOL009C			YOL008W; YOL009C
YOL006C; YOL007C; DI49_2397; DI49_2398	DI49_2397; DI49_2398		YOL006C; YOL007C
YOL004W; DI49_2399	DI49_2399		YOL004W
YOL003C; DI49_2400	DI49_2400		YOL003C
YOL002C; DI49_2401; YOL001W; DI49_2402	DI49_2401; DI49_2402		YOL002C; YOL001W
YOR002W; DI49_2404	DI49_2404		YOR002W
YOR003W; DI49_2405; YOR004W; DI49_2406	DI49_2405; DI49_2406		YOR003W; YOR004W
YOR006C; DI49_2408	DI49_2408		YOR006C
YOR007C; DI49_2409	DI49_2409		YOR007C
SPGP0Jtrna3R; DI49_2410; YOR008C; SPGP0Atrna2R; SPGP0LKtrna9R; DI49_3398; SPGP0RNtrna13R; DI49_1335; SPGP0Dtrna10R; DI49_2411; SPGP0STtrna14R; DI49_3638	DI49_2410; DI49_3398; DI49_1335; DI49_2411; DI49_3638	SPGP0Jtrna3R; SPGP0Atrna2R; SPGP0LKtrna9R; SPGP0RNtrna13R; SPGP0Dtrna10R; SPGP0STtrna14R	YOR008C
YOR010C; DI49_2413; SPGP0J01210; DI49_2414	DI49_2413; DI49_2414	SPGP0J01210	YOR010C
YOR016C; DI49_2418	DI49_2418		YOR016C
YOR017W; DI49_2419; YOR018W; DI49_2420	DI49_2419; DI49_2420		YOR017W; YOR018W
YOR020C; DI49_4866; YOR020W-A; DI49_4867	DI49_4866; DI49_4867		YOR020C; YOR020W-A
YOR022C; YOR021C			YOR022C; YOR021C
YOR025W; YOR023C			YOR025W; YOR023C
YOR027W; YOR026W; YOR030W			YOR027W; YOR026W; YOR030W
YOR032C; YOR031W			YOR032C; YOR031W
YOR034C; YOR033C			YOR034C; YOR033C
YOR036W; YOR035C			YOR036W; YOR035C
YOR038C; DI49_4883	DI49_4883		YOR038C
YOR039W; DI49_4884; YOR040W; DI49_4885	DI49_4884; DI49_4885		YOR039W; YOR040W
YOR043W; DI49_4887; YOR044W; DI49_4888	DI49_4887; DI49_4888		YOR043W; YOR044W
YOR046C; DI49_4890	DI49_4890		YOR046C
YOR047C; DI49_4891	DI49_4891		YOR047C
YOR048C; DI49_4892; YOR049C; DI49_4893	DI49_4892; DI49_4893		YOR048C; YOR049C
YOR052C; YOR051C			YOR052C; YOR051C
YOR056C; YOR054C			YOR056C; YOR054C
YOR058C; DI49_4899	DI49_4899		YOR058C
SPGP0Jtrna2K; SPGP0Atrna1K; YOR059C; YGL202W; SPGP0FKtrna6K; YDL054C		SPGP0Jtrna2K; SPGP0Atrna1K; SPGP0FKtrna6K	YOR059C; YGL202W; YDL054C
YOR061W; YOR060C			YOR061W; YOR060C

YOR063W; DI49_4906; YOR064C; DI49_4907	DI49_4906; DI49_4907		YOR063W; YOR064C
YOR066W; DI49_4909	DI49_4909		YOR066W
YOR067C; DI49_4910	DI49_4910		YOR067C
YOR069W; DI49_4911	DI49_4911		YOR069W
YOR070C; DI49_4912	DI49_4912		YOR070C
YOR071C; YOR192C; DI49_3747; DI49_3748	DI49_3747; DI49_3748		YOR071C; YOR192C
YOR073W; DI49_4915	DI49_4915		YOR073W
YOR074C; SPGP0N01130		SPGP0N01130	YOR074C
YOR075W; DI49_4916; YOR076C; DI49_4917	DI49_4916; DI49_4917		YOR075W; YOR076C
YOR078W; YOR077W			YOR078W; YOR077W
YOR080W; YOR079C			YOR080W; YOR079C
YOR083W; YOR081C			YOR083W; YOR081C
YOR085W; YOR084W			YOR085W; YOR084W
YOR087W; DI49_4926; YOR089C; DI49_4927	DI49_4926; DI49_4927		YOR087W; YOR089C
YOR091W; YOR090C			YOR091W; YOR090C
YPL277C; YOR092W			YPL277C; YOR092W
YOR390W; YPL278C			YOR390W; YPL278C
DI49_4781; DI49_5593	DI49_4781; DI49_5593		
DI49_4783; DI49_4782	DI49_4783; DI49_4782		
DI49_5503; DI49_5502	DI49_5503; DI49_5502		
YER185W; YER184C			YER185W; YER184C
YER187W; YER186C			YER187W; YER186C
DI49_5266; SPGP0DL00140	DI49_5266	SPGP0DL00140	
DI49_5424; DI49_5425	DI49_5424; DI49_5425		
DI49_5422; DI49_1959; DI49_5421; DI49_2045	DI49_5422; DI49_1959; DI49_5421; DI49_2045		
DI49_5419; DI49_5420	DI49_5419; DI49_5420		
DI49_5417; DI49_5418	DI49_5417; DI49_5418		
DI49_3986; DI49_5416	DI49_3986; DI49_5416		
DI49_3984; DI49_3985	DI49_3984; DI49_3985		
DI49_5679; DI49_3983	DI49_5679; DI49_3983		
SPGP0K00120; DI49_5681	DI49_5681	SPGP0K00120	
DI49_5682; YFL058W; DI49_5683; SPGP0A00150	DI49_5682; DI49_5683	SPGP0A00150	YFL058W
DI49_5685; DI49_5684	DI49_5685; DI49_5684		
DI49_5191; YOR380W; DI49_5190; YOR381W	DI49_5191; DI49_5190		YOR380W; YOR381W
DI49_5188; YOR375C; YOR377W	DI49_5188		YOR375C; YOR377W
DI49_5187; YOR374W; DI49_5186	DI49_5187; DI49_5186		YOR374W
DI49_5184; DI49_5185	DI49_5184; DI49_5185		
DI49_5182; YOR369C; DI49_5181; YOR370C	DI49_5182; DI49_5181		YOR369C; YOR370C
DI49_5179; DI49_5180	DI49_5179; DI49_5180		
DI49_5177; DI49_5178	DI49_5177; DI49_5178		

DI49_5175; YOR361C; YOR362C	DI49_5175	YOR361C; YOR362C
DI49_5174; YOR360C	DI49_5174	YOR360C
DI49_5173; YOR359W; DI49_5172	DI49_5173; DI49_5172	YOR359W
DI49_5170; YOR356W	DI49_5170	YOR356W
DI49_5169; YOR355W; DI49_5168	DI49_5169; DI49_5168	YOR355W
DI49_5166; DI49_5167	DI49_5166; DI49_5167	
DI49_5164; DI49_5165	DI49_5164; DI49_5165	
DI49_5161; YOR348C; SPGP0L02250	DI49_5161	SPGP0L02250
DI49_5160; YOR347C	DI49_5160	YOR347C
DI49_5159; YOR346W	DI49_5159	YOR346W
DI49_5158; DI49_2389; DI49_5157; DI49_4051	DI49_5158; DI49_2389; DI49_5157; DI49_4051	
SPGP0Ktrna1M; DI49_4243; SPGP0Ctrna6M; DI49_4242; SPGP0VZtrna11M; DI49_0528; SPGP0BKtrna13M; DI49_2990	DI49_4243; DI49_4242; DI49_0528; DI49_2990	SPGP0Ktrna1M; SPGP0Ctrna6M; SPGP0VZtrna11M; SPGP0BKtrna13M
DI49_5154; YOR342C	DI49_5154	YOR342C
DI49_5153; YOR341W	DI49_5153	YOR341W
DI49_5152; YOR340C; DI49_5151	DI49_5152; DI49_5151	YOR340C
DI49_5149; YOR337W; DI49_5148	DI49_5149; DI49_5148	YOR337W
SPGP0K00600; SPGP0K00590; YOR335C; YOR336W		SPGP0K00600; SPGP0K00590
DI49_5146; YOR330C; DI49_5145; YOR332W	DI49_5146; DI49_5145	YOR335C; YOR336W
DI49_5143; YOR327C	DI49_5143	YOR330C; YOR332W
DI49_5142; YOR326W; DI49_5141	DI49_5142; DI49_5141	YOR327C
DI49_5139; YOR322C; YOR323C	DI49_5139	YOR326W
DI49_5138; YOR321W; DI49_5137	DI49_5138; DI49_5137	YOR322C; YOR323C
DI49_5135; DI49_5136	DI49_5135; DI49_5136	YOR321W
DI49_5133; DI49_5134	DI49_5133; DI49_5134	
DI49_5131; YMR242C; DI49_4327	DI49_5131; DI49_4327	YMR242C
DI49_5130; YOR311C; YOR313C	DI49_5130	YOR311C; YOR313C
DI49_5129; YOR310C; DI49_5128	DI49_5129; DI49_5128	YOR310C
DI49_5126; YOR306C; DI49_5125	DI49_5126; DI49_5125	YOR306C
DI49_5123; YOR304W; DI49_5122; YOR304C-A	DI49_5123; DI49_5122	YOR304W; YOR304C-A
DI49_5120; SPGP0K00870	DI49_5120	SPGP0K00870
DI49_5118; DI49_5119	DI49_5118; DI49_5119	
DI49_5116; DI49_5117	DI49_5116; DI49_5117	
DI49_5114; DI49_5115	DI49_5114; DI49_5115	
DI49_5112; DI49_4314; DI49_5111; YOR293W; YMR230W	DI49_5112; DI49_4314; DI49_5111	YOR293W; YMR230W
DI49_5109; YOR290C; YOR291W	DI49_5109	YOR290C; YOR291W
SPGP0Ktrna2A; DI49_3564; DI49_5107; SPGP0Ltrna3A; SPGP0GRtrna7A; DI49_1482; SPGP0Utrna8A; DI49_0066; DI49_3563; SPGP0PEtrna15A; DI49_2116	DI49_3564; DI49_5107; DI49_1482; DI49_0066; DI49_3563; DI49_2116	SPGP0Ktrna2A; SPGP0Ltrna3A; SPGP0GRtrna7A; SPGP0Utrna8A; SPGP0PEtrna15A
DI49_5105; DI49_5106	DI49_5105; DI49_5106	

DI49_5103; DI49_5104	DI49_5103; DI49_5104		
DI49_5101; YOR283W; YOR284W	DI49_5101		YOR283W; YOR284W
DI49_5100; YOR281C	DI49_5100		YOR281C
DI49_5099; YOR280C; DI49_5098	DI49_5099; DI49_5098		YOR280C
DI49_5096; YOR276W; DI49_5095; YOR278W	DI49_5096; DI49_5095		YOR276W; YOR278W
DI49_5093; YOR273C; YOR274W	DI49_5093		YOR273C; YOR274W
DI49_5092; YOR272W	DI49_5092		YOR272W
DI49_5091; YOR271C	DI49_5091		YOR271C
DI49_5090; YOR270C; DI49_5089	DI49_5090; DI49_5089		YOR270C
DI49_5087; YOR267C; DI49_5086; YOR269W	DI49_5087; DI49_5086		YOR267C; YOR269W
DI49_5084; YOR264W; YOR265W	DI49_5084		YOR264W; YOR265W
DI49_5083; YOR262W	DI49_5083		YOR262W
DI49_5082; YOR261C	DI49_5082		YOR261C
DI49_5081; YOR260W	DI49_5081		YOR260W
DI49_5080; YOR259C; DI49_5079	DI49_5080; DI49_5079		YOR259C
DI49_5077; DI49_5078	DI49_5077; DI49_5078		
DI49_5075; YOR254C; DI49_5074	DI49_5075; DI49_5074		YOR254C
DI49_5072; DI49_5073	DI49_5072; DI49_5073		
DI49_5070; DI49_5071	DI49_5070; DI49_5071		
DI49_5068; DI49_5069	DI49_5068; DI49_5069		
DI49_5066; YOR244W; DI49_5065; YOR245C	DI49_5066; DI49_5065		YOR244W; YOR245C
DI49_5063; YOR241W; SPGP0K01450; YOR242C	DI49_5063	SPGP0K01450	YOR241W; YOR242C
DI49_5061; DI49_5062	DI49_5061; DI49_5062		
DI49_5322; SPGP0OI00560; DI49_5058; SPGP0L01230; DI49_5321	DI49_5322; DI49_5058; DI49_5321	SPGP0OI00560; SPGP0L01230	
DI49_5056; YOR231W; DI49_5055; YOR232W	DI49_5056; DI49_5055		YOR231W; YOR232W
DI49_5053; YOR228C; YOR229W	DI49_5053		YOR228C; YOR229W
DI49_5052; YOR227W; DI49_5051	DI49_5052; DI49_5051		YOR227W
DI49_5049; DI49_5050	DI49_5049; DI49_5050		
DI49_5047; YOR221C	DI49_5047		YOR221C
DI49_5046; YOR220W	DI49_5046		YOR220W
SPGP0K01630; YOR219C		SPGP0K01630	YOR219C
DI49_5045; YOR217W; DI49_5044	DI49_5045; DI49_5044		YOR217W
DI49_5042; DI49_5043; YOR215C; YOR216C	DI49_5042; DI49_5043		YOR215C; YOR216C
DI49_5040; YOR212W; YOR213C	DI49_5040		YOR212W; YOR213C
DI49_5039; YOR211C; DI49_5038	DI49_5039; DI49_5038		YOR211C
DI49_5036; DI49_5037	DI49_5036; DI49_5037		
DI49_5034; DI49_5035; YOR207C; YOR208W	DI49_5034; DI49_5035		YOR207C; YOR208W
DI49_5032; YOR204W; DI49_5031; YOR205C; YNL112W; DI49_4621	DI49_5032; DI49_5031; DI49_4621		YOR204W; YOR205C; YNL112W
DI49_5029; YOR198C; DI49_5028; YOR201C	DI49_5029; DI49_5028		YOR198C; YOR201C



DI49_5026; DI49_5027	DI49_5026; DI49_5027	
DI49_5024; DI49_5025	DI49_5024; DI49_5025	
DI49_5022; YOR191W	DI49_5022	YOR191W
DI49_5021; YOR190W; DI49_5020	DI49_5021; DI49_5020	YOR190W
DI49_5019; YOR187W; DI49_5018	DI49_5019; DI49_5018	YOR187W
DI49_5016; DI49_5017; DI49_5015; DI49_3800; DI49_3799	DI49_5016; DI49_5017; DI49_5015; DI49_3800; DI49_3799	
DI49_5013; DI49_5014	DI49_5013; DI49_5014	
DI49_5011; DI49_5012	DI49_5011; DI49_5012	
DI49_5009; DI49_4248; YOR177C; SPGP0KUtrna11V; DI49_3338; YGL225W; DI49_4247; SPGP0Ctrna10V; DI49_4138; DI49_3304; SPGP0PEtrna15V; DI49_2126; DI49_1560; DI49_3781; SPGP0XAtrna22V; DI49_1542; SPGP0BKtrna23V; SPGP0Htrna25V; SPGP0Htrna26V; YMR077C; YMR164C; SPGP0Htrna27V; YJL037W	DI49_5009; DI49_4248; DI49_3338; DI49_4247; DI49_4138; DI49_3304; DI49_2126; DI49_1560; DI49_3781; DI49_1542	SPGP0KUtrna11V; SPGP0Ctrna10V; SPGP0PEtrna15V; SPGP0XAtrna22V; SPGP0BKtrna23V; SPGP0Htrna25V; SPGP0Htrna26V; SPGP0Htrna27V
DI49_5007; DI49_5008	DI49_5007; DI49_5008	
DI49_5005; DI49_5006	DI49_5005; DI49_5006	
DI49_5003; YOR168W	DI49_5003	YOR168W
DI49_5002; YOR167C; DI49_5001	DI49_5002; DI49_5001	YOR167C
DI49_4999; YOR164C; DI49_4998	DI49_4999; DI49_4998	YOR164C
DI49_4996; DI49_4997	DI49_4996; DI49_4997	
DI49_4994; YOR160W; DI49_4993; YOR161C	DI49_4994; DI49_4993	YOR160W; YOR161C
DI49_4991; DI49_4992	DI49_4991; DI49_4992	
DI49_4989; DI49_4990	DI49_4989; DI49_4990	
DI49_4987; YOR153W; DI49_4986; YOR154W	DI49_4987; DI49_4986	YOR153W; YOR154W
DI49_4984; YOR150W	DI49_4984	YOR150W
DI49_4983; YOR149C; DI49_4982	DI49_4983; DI49_4982	YOR149C
DI49_4980; YOR145C; DI49_4979	DI49_4980; DI49_4979	YOR145C
SPGP0Ktrna5G; DI49_4977; YOR143C; DI49_0567; DI49_0565	DI49_4977; DI49_0567; DI49_0565	SPGP0Ktrna5G
DI49_4976; YOR142W	DI49_4976	YOR143C
DI49_4975; YOR141C; DI49_4974	DI49_4975; DI49_4974	YOR142W
DI49_4972; DI49_4973	DI49_4972; DI49_4973	YOR141C
DI49_4970; DI49_4971	DI49_4970; DI49_4971	
DI49_4968; YOR132W; DI49_4967	DI49_4968; DI49_4967	YOR132W
DI49_4965; YOR130C; DI49_4964	DI49_4965; DI49_4964	YOR130C
DI49_4962; YOR127W; DI49_4961	DI49_4962; DI49_4961	YOR127W
DI49_4959; YOR124C; DI49_4958	DI49_4959; DI49_4958	YOR124C
DI49_4956; DI49_4957	DI49_4956; DI49_4957	
DI49_4954; DI49_4955	DI49_4954; DI49_4955	
DI49_4952; YOR116C; DI49_4951	DI49_4952; DI49_4951	YOR116C
DI49_4949; YOR113W	DI49_4949	YOR113W
DI49_4948; YOR112W; DI49_4947	DI49_4948; DI49_4947	YOR112W
DI49_4945; YOR109W; DI49_3745; YOR110W	DI49_4945; DI49_3745	YOR109W; YOR110W

DI49_3750; DI49_3749	DI49_3750; DI49_3749		
DI49_3752; DI49_3751	DI49_3752; DI49_3751		
DI49_4524; DI49_4523	DI49_4524; DI49_4523		
DI49_4526; DI49_4525	DI49_4526; DI49_4525		
DI49_4528; DI49_4527	DI49_4528; DI49_4527		
DI49_4530; DI49_4529	DI49_4530; DI49_4529		
DI49_4532; DI49_4531	DI49_4532; DI49_4531		
DI49_4534; DI49_4533	DI49_4534; DI49_4533		
DI49_3485; DI49_3484	DI49_3485; DI49_3484		
DI49_3487; DI49_3486	DI49_3487; DI49_3486		
DI49_3428; SPGP0BK02840; DI49_3427; DI49_2887	DI49_3428; DI49_3427; DI49_2887	SPGP0BK02840	
DI49_3425; DI49_3426	DI49_3425; DI49_3426		
DI49_1708; DI49_1709	DI49_1708; DI49_1709		
DI49_1706; DI49_1707	DI49_1706; DI49_1707		
DI49_1704; DI49_1705	DI49_1704; DI49_1705		
DI49_1702; DI49_1703	DI49_1702; DI49_1703		
DI49_1700; DI49_1701	DI49_1700; DI49_1701		
DI49_1698; DI49_1699	DI49_1698; DI49_1699		
DI49_5385; DI49_1697	DI49_5385; DI49_1697		
DI49_5383; DI49_5384	DI49_5383; DI49_5384		
DI49_5381; DI49_1215; DI49_5380; DI49_1214	DI49_5381; DI49_1215; DI49_5380; DI49_1214		
DI49_4943; DI49_4942	DI49_4943; DI49_4942		
SPGP0DX00130; DI49_4944	DI49_4944	SPGP0DX00130	
YOR114W; DI49_4950; YOR115C	DI49_4950		YOR114W; YOR115C
YOR117W; DI49_4953; YOR118W	DI49_4953		YOR117W; YOR118W
YOR120W; YOR119C			YOR120W; YOR119C
YOR123C; YOR122C			YOR123C; YOR122C
YOR125C; DI49_4960; YOR126C	DI49_4960		YOR125C; YOR126C
YOR128C; DI49_4963; YOR129C	DI49_4963		YOR128C; YOR129C
SPGP0Ltrna3D; DI49_4675; YOR131C; SPGP0Ptrna4D; DI49_2768; SPGP0Ptrna5D; SPGP0Atrna1D; SPGP0A02830; DI49_3666; DI49_1987; SPGP0KWtrna9D; DI49_3834; SPGP0Ltrna10D; DI49_1993; SPGP0LKtrna11D; DI49_3409; SPGP0Ctrna6D; SPGP0BEtrna12D; SPGP0VNtrna15D; DI49_4676; SPGP0BFtrna13D; YIL009C-A; SPGP0BFtrna14D; DI49_3066; SPGP0BKtrna19D; SPGP0BKtrna21D; SPGP0BK02620; SPGP0Ftrna16D; SPGP0Htrna22D; YJR055W; SPGP0ltrna24D; SPGP0ltrna25D	DI49_4675; DI49_2768; DI49_3666; DI49_1987; DI49_3834; DI49_1993; DI49_3409; DI49_4676; DI49_3066	SPGP0Ltrna3D; SPGP0Ptrna4D; SPGP0Ptrna5D; SPGP0Atrna1D; SPGP0A02830; SPGP0KWtrna9D; SPGP0Ltrna10D; SPGP0LKtrna11D; SPGP0Ctrna6D; SPGP0BEtrna12D; SPGP0VNtrna15D; SPGP0BFtrna13D; SPGP0BFtrna14D; SPGP0BKtrna19D; SPGP0BKtrna21D; SPGP0BK02620; SPGP0Ftrna16D; SPGP0Htrna22D; SPGP0ltrna24D; SPGP0ltrna25D	YOR131C; YIL009C-A; YJR055W
YDR385W; DI49_4969; YOR134W	DI49_4969		YDR385W; YOR134W
YOR137C; YOR136W			YOR137C; YOR136W
YOR140W; YOR138C			YOR140W; YOR138C
YOR147W; DI49_4981; YOR148C	DI49_4981		YOR147W; YOR148C

YOR151C; DI49_4985; YOR152C	DI49_4985		YOR151C; YOR152C
YOR156C; YOR155C			YOR156C; YOR155C
YOR158W; YOR157C			YOR158W; YOR157C
YOR163W; YOR162C			YOR163W; YOR162C
YOR165W; DI49_5000; YOR166C	DI49_5000		YOR165W; YOR166C
YOR171C; DI49_5004; YOR172W	DI49_5004		YOR171C; YOR172W
YOR174W; YOR173W			YOR174W; YOR173W
YOR176W; YOR175C			YOR176W; YOR175C
YOR179C; YOR178C			YOR179C; YOR178C
YOR181W; YOR180C; YOR184W			YOR181W; YOR180C; YOR184W
YOR186W; YOR185C			YOR186W; YOR185C
YOR188W; SPGP0K01890; YOR189W		SPGP0K01890	YOR188W; YOR189W
SPGP0Ltrna3M; DI49_5351; YOR193W; SPGP0GYtrna5M; DI49_1363; SPGP0OIttrna9M; DI49_5350; SPGP0BGtrna10M; DI49_3049; YJR043C	DI49_5351; DI49_1363; DI49_5350; DI49_3049	SPGP0Ltrna3M; SPGP0GYtrna5M; SPGP0OIttrna9M; SPGP0BGtrna10M	YOR193W; YJR043C
YOR195W; YOR194C			YOR195W; YOR194C
YOR197W; YOR196C			YOR197W; YOR196C
YOR210W; YOR209C			YOR210W; YOR209C
YOR222W; DI49_5048; YOR223W	DI49_5048		YOR222W; YOR223W
YOR226C; YOR224C			YOR226C; YOR224C
YOR236W; DI49_5060; YOR237W	DI49_5060		YOR236W; YOR237W
YOR239W; YOR238W			YOR239W; YOR238W
YOR247W; YOR246C			YOR247W; YOR246C
YOR250C; YOR249C			YOR250C; YOR249C
YOR252W; YOR251C			YOR252W; YOR251C
YOR255W; DI49_5076; YOR256C	DI49_5076		YOR255W; YOR256C
YOR258W; YOR257W			YOR258W; YOR257W
YOR286W; YOR285W			YOR286W; YOR285W
YOR288C; YOR287C			YOR288C; YOR287C
YOR294W; DI49_5113; YOR295W	DI49_5113		YOR294W; YOR295W
YOR297C; YOR296W			YOR297C; YOR296W
YOR298C-A; YOR298W			YOR298C-A; YOR298W
YOR301W; YOR299W			YOR301W; YOR299W
YOR303W; YOR302W			YOR303W; YOR302W
YOR307C; DI49_5127; YOR308C	DI49_5127		YOR307C; YOR308C
YOR316C; YOR315W			YOR316C; YOR315W
YOR319W; YOR317W			YOR319W; YOR317W
YOR328W; DI49_5144; YOR329C	DI49_5144		YOR328W; YOR329C
YOR338W; DI49_5150; YOR339C	DI49_5150		YOR338W; YOR339C
SPGP0L02200; YDR170W-A; YDR171W		SPGP0L02200	YDR170W-A; YDR171W
SPGP0Ltrna4M; YJL007C; SPGP0Altrna7M; YMR159C;		SPGP0Ltrna4M; SPGP0Altrna7M	YJL007C; YMR159C; YJL029C

YJL029C			
YOR344C; DI49_5156	DI49_5156		YOR344C
YOR350C; YOR349W			YOR350C; YOR349W
YOR352W; YOR351C			YOR352W; YOR351C
YOR354C; YOR353C			YOR354C; YOR353C
YOR357C; DI49_5171; YOR358W	DI49_5171		YOR357C; YOR358W
YOR365C; YOR363C			YOR365C; YOR363C
YOR368W; YOR367W			YOR368W; YOR367W
YOR372C; YOR371C			YOR372C; YOR371C
YKL222C; YKL221W			YKL222C; YKL221W
SPGP0DZ00100; SPGP0L02570		SPGP0DZ00100; SPGP0L02570	
DI49_3943; DI49_4014; SPGP0DZ00130; DI49_4013	DI49_3943; DI49_4014; DI49_4013	SPGP0DZ00130	
DI49_0674; DI49_0676	DI49_0674; DI49_0676		
DI49_0672; DI49_0673	DI49_0672; DI49_0673		
YGR009C; DI49_5686; SPGP0GGtrna6L; DI49_5397; SPGP0GStrna7L; DI49_1624; SPGP0KXtrna13L; DI49_0734; DI49_2147; DI49_2148; DI49_0670	DI49_5686; DI49_5397; DI49_1624; DI49_0734; DI49_2147; DI49_2148; DI49_0670	SPGP0GGtrna6L; SPGP0GStrna7L; SPGP0KXtrna13L	YGR009C
DI49_1972; DI49_1973	DI49_1972; DI49_1973		
DI49_1325; DI49_1324	DI49_1325; DI49_1324		
YEL070W; SPGP0BK00120		SPGP0BK00120	YEL070W
SPGP0ED00140; DI49_2618; DI49_3165	DI49_2618; DI49_3165	SPGP0ED00140	
SPGP0EEtrna3E; DI49_5287; DI49_3838; SPGP0Mtrna2E; SPGP0Ptrna4E; SPGP0FXtrna6E; DI49_1880; DI49_2203; SPGP0Ltrna10E; DI49_1991; SPGP0MBtrna11E; SPGP0MC00100; SPGP0NGtrna12E; YAL001C; SPGP0Ctrna9E; SPGP0BEtrna13E; SPGP0BFtrna14E; YCL021W-A; SPGP0WBtrna18E; DI49_1543; SPGP0Ftrna17E; SPGP0Gtrna21E; SPGP0Htrna22E	DI49_5287; DI49_3838; DI49_1880; DI49_2203; DI49_1991; DI49_1543	SPGP0EEtrna3E; SPGP0Mtrna2E; SPGP0Ptrna4E; SPGP0FXtrna6E; SPGP0Ltrna10E; SPGP0MBtrna11E; SPGP0MC00100; SPGP0NGtrna12E; SPGP0Ctrna9E; SPGP0BEtrna13E; SPGP0BFtrna14E; SPGP0WBtrna18E; SPGP0Ftrna17E; SPGP0Gtrna21E; SPGP0Htrna22E	YAL001C; YCL021W-A
DI49_3840; DI49_3839	DI49_3840; DI49_3839		
DI49_3842; DI49_3841	DI49_3842; DI49_3841		
DI49_4040; DI49_3843; DI49_1995	DI49_4040; DI49_3843; DI49_1995		
SPGP0EFtrna3Y; DI49_2382; DI49_4037; DI49_1685; DI49_4369; DI49_1670; DI49_2383; SPGP0Btrna8Y; SPGP0BKtrna9Y; DI49_3068; DI49_2969	DI49_2382; DI49_4037; DI49_1685; DI49_4369; DI49_1670; DI49_2383; DI49_3068; DI49_2969	SPGP0EFtrna3Y; SPGP0Btrna8Y; SPGP0BKtrna9Y	
DI49_2008; DI49_4036	DI49_2008; DI49_4036		
DI49_3182; DI49_2009	DI49_3182; DI49_2009		
DI49_3184; YKL197C	DI49_3184		YKL197C
DI49_3186; YKL196C; SPGP0M00140; YKL195W	DI49_3186	SPGP0M00140	YKL196C; YKL195W
DI49_3188; DI49_3187	DI49_3188; DI49_3187		
DI49_3190; DI49_3189	DI49_3190; DI49_3189		
SPGP0Mtrna3L; DI49_5687; DI49_3193; DI49_3915; SPGP0OJtrna15L; DI49_4787; YOR391C; SPGP0BEtrna18L; DI49_0231; SPGP0BKtrna28L; DI49_3010; SPGP0Ftrna23L; SPGP0Gtrna29L; YKL189W; SPGP0Ftrna24L; YJL006C	DI49_5687; DI49_3193; DI49_3915; DI49_4787; DI49_0231; DI49_3010	SPGP0Mtrna3L; SPGP0OJtrna15L; SPGP0BEtrna18L; SPGP0BKtrna28L; SPGP0Ftrna23L; SPGP0Gtrna29L; SPGP0Ftrna24L	YOR391C; YKL189W; YJL006C
DI49_3195; YKL187C; DI49_3196; YKL186C	DI49_3195; DI49_3196		YKL187C; YKL186C

DI49_3198; DI49_3197	DI49_3198; DI49_3197	
DI49_3200; YKL182W	DI49_3200	YKL182W
DI49_3201; YKL181W	DI49_3201	YKL181W
DI49_3202; YKL180W	DI49_3202	YKL180W
DI49_3203; YKL179C	DI49_3203	YKL179C
DI49_3204; YKL178C; DI49_3205; YKL176C	DI49_3204; DI49_3205	YKL178C; YKL176C
DI49_3207; DI49_3206	DI49_3207; DI49_3206	
DI49_3209; DI49_3208	DI49_3209; DI49_3208	
DI49_3211; DI49_3210	DI49_3211; DI49_3210	
DI49_3213; DI49_3212	DI49_3213; DI49_3212	
DI49_3215; YKL165C	DI49_3215	YKL165C
DI49_3217; DI49_2869; SPGP0M00440; YJL158C; YJL160C	DI49_3217; DI49_2869	SPGP0M00440 YJL158C; YJL160C
DI49_3220; DI49_3219	DI49_3220; DI49_3219	
DI49_3222; DI49_3221	DI49_3222; DI49_3221	
SPGP0M00500; YKL157W		SPGP0M00500 YKL157W
DI49_3224; YKL156W; DI49_3225; YKL155C	DI49_3224; DI49_3225	YKL156W; YKL155C
SPGP0Mtrna4R; DI49_4323; SPGP0Ptrna5R; SPGP0GBtrna6R; DI49_1387; SPGP0HRtrna7R; DI49_1917; SPGP0Ctrna8R; SPGP0PEtrna11R; DI49_2129; DI49_2082; SPGP0BEtrna16R; SPGP0Bltrna19R; SPGP0BKtrna21R	DI49_4323; DI49_1387; DI49_1917; DI49_2129; DI49_2082	SPGP0Mtrna4R; SPGP0Ptrna5R; SPGP0GBtrna6R; SPGP0HRtrna7R; SPGP0Ctrna8R; SPGP0PEtrna11R; SPGP0BEtrna16R; SPGP0Bltrna19R; SPGP0BKtrna21R
DI49_3228; YKL152C; DI49_3229; YKL151C	DI49_3228; DI49_3229	YKL152C; YKL151C
DI49_3231; DI49_3230	DI49_3231; DI49_3230	
DI49_3233; YKL146W	DI49_3233	YKL146W
DI49_3234; YKL145W; DI49_3235; YKL144C	DI49_3234; DI49_3235	YKL145W; YKL144C
DI49_3237; YKL142W; DI49_3238; YKL141W	DI49_3237; DI49_3238	YKL142W; YKL141W
DI49_3240; DI49_3239	DI49_3240; DI49_3239	
DI49_3242; YKL138C; DI49_3243; YKL137W	DI49_3242; DI49_3243	YKL138C; YKL137W
DI49_3245; DI49_3244	DI49_3245; DI49_3244	
DI49_3247; DI49_3246	DI49_3247; DI49_3246	
DI49_3249; YKL129C; DI49_3250; YKL128C	DI49_3249; DI49_3250	YKL129C; YKL128C
DI49_3252; YKL127W; DI49_3253; YKL126W	DI49_3252; DI49_3253	YKL127W; YKL126W
DI49_3255; YKL124W; DI49_3256; YKL122C	DI49_3255; DI49_3256	YKL124W; YKL122C
DI49_3258; YKL120W; DI49_3259; YKL119C	DI49_3258; DI49_3259	YKL120W; YKL119C
DI49_3261; DI49_5601; DI49_5413; SPGP0AAtrna9A; DI49_4721; SPGP0Btrna6A; DI49_1682; SPGP0Ctrna10A; DI49_4332; SPGP0Ctrna11A; DI49_4110; SPGP0QPtrna16A; DI49_5600; SPGP0Dtrna13A; SPGP0TXtrna18A; SPGP0BEtrna19A; DI49_1030; SPGP0BKtrna20A; DI49_2904; YKL117W; SPGP0Htrna22A; YMR250W; SPGP0Htrna23A; YJL115W	DI49_3261; DI49_5601; DI49_5413; DI49_4721; DI49_1682; DI49_4332; DI49_4110; DI49_5600; DI49_1030; DI49_2904	SPGP0AAtrna9A; SPGP0Btrna6A; SPGP0Ctrna10A; SPGP0Ctrna11A; SPGP0QPtrna16A; SPGP0Dtrna13A; SPGP0TXtrna18A; SPGP0BEtrna19A; SPGP0BKtrna20A; SPGP0Htrna22A; SPGP0Htrna23A
DI49_3263; YKL114C	DI49_3263	YKL117W; YMR250W; YJL115W YKL114C
DI49_3264; YKL113C	DI49_3264	YKL113C

DI49_3265; SPGP0G00890; DI49_3266; YKL110C	DI49_3265; DI49_3266	SPGP0G00890	YKL110C
DI49_3268; DI49_3267	DI49_3268; DI49_3267		
DI49_3270; YKL106W; DI49_3271; YKL105C	DI49_3270; DI49_3271		YKL106W; YKL105C
DI49_3273; YKL103C	DI49_3273		YKL103C
DI49_3274; YKL101W; DI49_3275; YKL100C	DI49_3274; DI49_3275		YKL101W; YKL100C
DI49_3277; DI49_3276	DI49_3277; DI49_3276		
DI49_3279; DI49_3278	DI49_3279; DI49_3278		
DI49_3281; YKL094W; DI49_3282; YKL093W	DI49_3281; DI49_3282		YKL094W; YKL093W
DI49_3284; DI49_3283	DI49_3284; DI49_3283		
DI49_3286; YKL089W	DI49_3286		YKL089W
DI49_3287; YKL088W; DI49_3288; YKL087C	DI49_3287; DI49_3288		YKL088W; YKL087C
DI49_3290; DI49_3289	DI49_3290; DI49_3289		
DI49_3292; YKL082C; SPGP0M01170; YKL081W	DI49_3292	SPGP0M01170	YKL082C; YKL081W
DI49_3928; DI49_3293	DI49_3928; DI49_3293		
DI49_3925; DI49_3926	DI49_3925; DI49_3926		
SPGP0EK00140; DI49_3924	DI49_3924	SPGP0EK00140	
DI49_3919; DI49_3920	DI49_3919; DI49_3920		
DI49_3917; DI49_3918	DI49_3917; DI49_3918		
SPGP0EL00100; DI49_3914	DI49_3914	SPGP0EL00100	
DI49_0738; YCL016C	DI49_0738		YCL016C
DI49_0737; YCL017C	DI49_0737		YCL017C
DI49_3827; DI49_3828	DI49_3827; DI49_3828		
DI49_3825; DI49_3826	DI49_3825; DI49_3826		
DI49_3823; DI49_3824	DI49_3823; DI49_3824		
DI49_3821; DI49_3822	DI49_3821; DI49_3822		
DI49_3820; SPGP0EM00190	DI49_3820	SPGP0EM00190	
DI49_3819; SPGP0EM00210	DI49_3819	SPGP0EM00210	
DI49_3817; DI49_3818	DI49_3817; DI49_3818		
DI49_3815; DI49_3816	DI49_3815; DI49_3816		
DI49_3813; DI49_3814	DI49_3813; DI49_3814		
DI49_2242; DI49_3812	DI49_2242; DI49_3812		
DI49_2244; DI49_2243	DI49_2244; DI49_2243		
DI49_2246; DI49_2245	DI49_2246; DI49_2245		
DI49_3766; YGL176C	DI49_3766		YGL176C
DI49_5411; DI49_5412	DI49_5411; DI49_5412		
DI49_5409; DI49_5410	DI49_5409; DI49_5410		
DI49_4809; DI49_4808	DI49_4809; DI49_4808		
DI49_4811; DI49_4810	DI49_4811; DI49_4810		
DI49_4813; DI49_4812	DI49_4813; DI49_4812		
SPGP0N00170; DI49_3489; YHL033C; DI49_3490	DI49_3489; DI49_3490	SPGP0N00170	YHL033C

SPGP0N00180; YHL032C		SPGP0N00180	YHL032C
DI49_4816; YHL031C	DI49_4816		YHL031C
DI49_4817; YHL030W	DI49_4817		YHL030W
DI49_4818; YHL029C; DI49_4819; YHL028W	DI49_4818; DI49_4819		YHL029C; YHL028W
DI49_4821; DI49_4820	DI49_4821; DI49_4820		
DI49_4823; YHL024W	DI49_4823		YHL024W
DI49_4824; YHL023C	DI49_4824		YHL023C
SPGP0Ntrna1H; DI49_4134; DI49_4826; SPGP0IDtrna4H; DI49_1876; SPGP0OFtrna6H; DI49_1425; SPGP0Ctrna5H; DI49_4133; SPGP0OYtrna7H; DI49_2160; SPGP0TB00100; YMR044W	DI49_4134; DI49_4826; DI49_1876; DI49_1425; DI49_4133; DI49_2160	SPGP0Ntrna1H; SPGP0IDtrna4H; SPGP0OFtrna6H; SPGP0Ctrna5H; SPGP0OYtrna7H; SPGP0TB00100	YMR044W
DI49_4828; YHL020C; DI49_4829; YHL019C	DI49_4828; DI49_4829		YHL020C; YHL019C
DI49_4831; YHL017W	DI49_4831		YHL017W
DI49_4832; YHL016C	DI49_4832		YHL016C
DI49_4833; YHL015W; DI49_4834; YHL014C	DI49_4833; DI49_4834		YHL015W; YHL014C
DI49_4836; DI49_4835	DI49_4836; DI49_4835		
DI49_4838; YHL010C; DI49_4839; YHL009C	DI49_4838; DI49_4839		YHL010C; YHL009C
DI49_4841; YHL008C	DI49_4841		YHL008C
DI49_4842; YHL007C; DI49_4843; YHL006C	DI49_4842; DI49_4843		YHL007C; YHL006C
DI49_4845; YHL003C	DI49_4845		YHL003C
DI49_4846; YHL002W	DI49_4846		YHL002W
DI49_4847; DI49_3367; DI49_4848; SPGP0B00500; YHR001W; DI49_3366	DI49_4847; DI49_3367; DI49_4848; DI49_3366	SPGP0B00500	YHR001W
DI49_4850; YHR002W	DI49_4850		YHR002W
DI49_4851; YHR003C; DI49_4852; YHR004C	DI49_4851; DI49_4852		YHR003C; YHR004C
DI49_4854; DI49_4853	DI49_4854; DI49_4853		
DI49_4856; DI49_2415; SPGP0Ptrna6T; DI49_2683; SPGP0LFtrna9T; SPGP0MGtrna10T; DI49_4465; SPGP0Dtrna14T; DI49_2254; SPGP0Dtrna15T; DI49_2301; SPGP0D01680; SPGP0BEtrna19T; DI49_1043; SPGP0VNtrna22T; DI49_4691; SPGP0Bltrna24T	DI49_4856; DI49_2415; DI49_2683; DI49_4465; DI49_2254; DI49_2301; DI49_1043; DI49_4691	SPGP0Ptrna6T; SPGP0LFtrna9T; SPGP0MGtrna10T; SPGP0Dtrna14T; SPGP0Dtrna15T; SPGP0D01680; SPGP0BEtrna19T; SPGP0VNtrna22T; SPGP0Bltrna24T	
DI49_4858; YHR008C	DI49_4858		YHR008C
DI49_4859; YHR009C	DI49_4859		YHR009C
SPGP0N00600; YHR010W; DI49_4860; YHR011W	DI49_4860	SPGP0N00600	YHR010W; YHR011W
DI49_4862; YHR013C; DI49_4863; YHR014W	DI49_4862; DI49_4863		YHR013C; YHR014W
DI49_4865; DI49_4419; SPGP0Ptrna7S; DI49_2817; SPGP0Utrna10S; SPGP0KVtrna12S; SPGP0NFtrna13S; SPGP0Ctrna11S; SPGP0TNtrna17S; SPGP0BEtrna19S; SPGP0BE02820; SPGP0Bltrna25S; DI49_0176; SPGP0WYtrna26S; DI49_3537; SPGP0BKtrna27S; DI49_3053; DI49_2003	DI49_4865; DI49_4419; DI49_2817; DI49_0176; DI49_3537; DI49_3053; DI49_2003	SPGP0Ptrna7S; SPGP0Utrna10S; SPGP0KVtrna12S; SPGP0NFtrna13S; SPGP0Ctrna11S; SPGP0TNtrna17S; SPGP0BEtrna19S; SPGP0BE02820; SPGP0Bltrna25S; SPGP0WYtrna26S; SPGP0BKtrna27S	
DI49_4869; DI49_4868	DI49_4869; DI49_4868		
DI49_4871; DI49_4870	DI49_4871; DI49_4870		
DI49_4873; DI49_4872	DI49_4873; DI49_4872		
DI49_4875; DI49_4874	DI49_4875; DI49_4874		
DI49_4877; DI49_4876	DI49_4877; DI49_4876		

DI49_4879; DI49_4878	DI49_4879; DI49_4878		
DI49_4881; DI49_4880	DI49_4881; DI49_4880		
DI49_4895; DI49_4894	DI49_4895; DI49_4894		
DI49_4897; DI49_4896	DI49_4897; DI49_4896		
SPGP0Ntrna4K; DI49_5564; DI49_4901; SPGP0INtrna9K; SPGP0JFtrna10K; DI49_2068; SPGP0KLtrna11K; DI49_3442; DI49_3876	DI49_5564; DI49_4901; DI49_2068; DI49_3442; DI49_3876	SPGP0Ntrna4K; SPGP0INtrna9K; SPGP0JFtrna10K; SPGP0KLtrna11K	
DI49_4903; DI49_4902	DI49_4903; DI49_4902		
DI49_4905; DI49_4904	DI49_4905; DI49_4904		
SPGP0Ntrna5P; DI49_4914; SPGP0OQtrna13P; DI49_5253; DI49_4699; DI49_4688	DI49_4914; DI49_5253; DI49_4699; DI49_4688	SPGP0Ntrna5P; SPGP0OQtrna13P	
DI49_4919; DI49_4918	DI49_4919; DI49_4918		
DI49_4921; DI49_4920	DI49_4921; DI49_4920		
SPGP0N01210; SPGP0N01200		SPGP0N01210; SPGP0N01200	
DI49_4923; DI49_4922	DI49_4923; DI49_4922		
DI49_4929; DI49_4928	DI49_4929; DI49_4928		
DI49_2205; DI49_4930	DI49_2205; DI49_4930		
DI49_2207; DI49_2206	DI49_2207; DI49_2206		
DI49_2209; DI49_2208	DI49_2209; DI49_2208		
DI49_2211; DI49_2210	DI49_2211; DI49_2210		
DI49_1391; DI49_1390	DI49_1391; DI49_1390		
DI49_1393; DI49_1392	DI49_1393; DI49_1392		
DI49_1395; DI49_1394	DI49_1395; DI49_1394		
DI49_2036; DI49_2253	DI49_2036; DI49_2253		
DI49_2038; DI49_2037	DI49_2038; DI49_2037		
DI49_2040; DI49_2039	DI49_2040; DI49_2039		
DI49_2042; DI49_5546; DI49_2043; DI49_5547	DI49_2042; DI49_5546; DI49_2043; DI49_5547		
DI49_0797; DI49_2044	DI49_0797; DI49_2044		
DI49_0799; DI49_0798	DI49_0799; DI49_0798		
DI49_0801; DI49_0800	DI49_0801; DI49_0800		
DI49_0803; DI49_0802	DI49_0803; DI49_0802		
DI49_5524; DI49_5523; SPGP0Ptrna8S; DI49_2723; DI49_0808; DI49_0809; SPGP0Betrna18S; DI49_1141; YIL057C; SPGP0VU00100	DI49_5524; DI49_5523; DI49_2723; DI49_0808; DI49_0809; DI49_1141	SPGP0Ptrna8S; SPGP0Betrna18S; SPGP0VU00100	YIL057C
DI49_5526; YBR117C; DI49_5527	DI49_5526; DI49_5527		YBR117C
DI49_5529; DI49_5528	DI49_5529; DI49_5528		
DI49_4932; DI49_4931	DI49_4932; DI49_4931		
DI49_4934; DI49_4636; DI49_4935; DI49_4637	DI49_4934; DI49_4636; DI49_4935; DI49_4637		
DI49_4937; DI49_4936	DI49_4937; DI49_4936		
DI49_4939; DI49_4938	DI49_4939; DI49_4938		
DI49_4941; DI49_4940	DI49_4941; DI49_4940		
DI49_5625; DI49_5626	DI49_5625; DI49_5626		



DI49_3519; DI49_5624	DI49_3519; DI49_5624	
SPGP0FC00100; DI49_3520	DI49_3520	SPGP0FC00100
DI49_5488; DI49_5487	DI49_5488; DI49_5487	
DI49_5490; DI49_5489	DI49_5490; DI49_5489	
SPGP0O00110; SPGP0O00100		SPGP0O00110; SPGP0O00100
DI49_3636; DI49_3637	DI49_3636; DI49_3637	
DI49_3634; DI49_3635	DI49_3634; DI49_3635	
DI49_3632; DI49_3633	DI49_3632; DI49_3633	
DI49_3630; DI49_3631	DI49_3630; DI49_3631	
DI49_3628; DI49_3629	DI49_3628; DI49_3629	
DI49_3626; DI49_3627	DI49_3626; DI49_3627	
DI49_3625; SPGP0FE00220	DI49_3625	SPGP0FE00220
DI49_3623; DI49_3624	DI49_3623; DI49_3624	
DI49_3621; DI49_3622	DI49_3621; DI49_3622	
DI49_3619; DI49_3620	DI49_3619; DI49_3620	
DI49_3617; DI49_3618	DI49_3617; DI49_3618	
YGL215W; YGL262W		YGL215W; YGL262W
YGL212W; YGL213C		YGL212W; YGL213C
YGL210W; YGL211W		YGL210W; YGL211W
YGL208W; YGL209W		YGL208W; YGL209W
YGL206C; YGL207W		YGL206C; YGL207W
SPGP0FKtrna2H; SPGP0Htrna9H; YGL203C; SPGP0Btrna3H; YHL022C		SPGP0FKtrna2H; SPGP0Htrna9H; SPGP0Btrna3H YGL203C; YHL022C
SPGP0FKtrna7K; SPGP0ltrna26K; YGL200C; SPGP0GAtrna8K; SPGP0KYtrna13K; DI49_0541; SPGP0LGtrna15K; DI49_1372; DI49_2156; SPGP0Ctrna12K; DI49_4194; SPGP0PFtrna17K; SPGP0SHtrna18K; DI49_0613; SPGP0UBtrna19K; DI49_5469; SPGP0BFtrna21K; SPGP0BGtrna22K; DI49_1808; SPGP0BKtrna24K; DI49_3004; YMR107W; SPGP0Htrna25K; YJL011C	DI49_0541; DI49_1372; DI49_2156; DI49_4194; DI49_0613; DI49_5469; DI49_1808; DI49_3004 DI49_5486; DI49_5485; DI49_2529; DI49_2530; DI49_0089; DI49_0088	SPGP0FKtrna7K; SPGP0ltrna26K; SPGP0GAtrna8K; SPGP0KYtrna13K; SPGP0LGtrna15K; SPGP0Ctrna12K; SPGP0PFtrna17K; SPGP0SHtrna18K; SPGP0UBtrna19K; SPGP0BFtrna21K; SPGP0BGtrna22K; SPGP0BKtrna24K; SPGP0Htrna25K YGL200C; YMR107W; YJL011C
SPGP0FLtrna2F; DI49_5486; DI49_5485; DI49_2529; DI49_2530; DI49_0089; DI49_0088		SPGP0FLtrna2F
DI49_1883; DI49_5484	DI49_1883; DI49_5484	
DI49_1885; DI49_1884	DI49_1885; DI49_1884	
DI49_1887; DI49_1886	DI49_1887; DI49_1886	
DI49_1889; DI49_1888	DI49_1889; DI49_1888	
DI49_1891; DI49_1890	DI49_1891; DI49_1890	
DI49_1893; DI49_1892	DI49_1893; DI49_1892	
DI49_1895; DI49_1894	DI49_1895; DI49_1894	
DI49_1897; DI49_1896	DI49_1897; DI49_1896	
DI49_1899; DI49_1898	DI49_1899; DI49_1898	
DI49_1901; DI49_1900	DI49_1901; DI49_1900	
DI49_1903; DI49_1902	DI49_1903; DI49_1902	

DI49_1905; DI49_1904	DI49_1905; DI49_1904	
DI49_1907; DI49_1244; DI49_1908; DI49_1243	DI49_1907; DI49_1244; DI49_1908; DI49_1243	
DI49_2815; DI49_2816	DI49_2815; DI49_2816	
DI49_2813; YIR034C; YIR035C	DI49_2813	YIR034C; YIR035C
DI49_2812; YIR033W; DI49_2811	DI49_2812; DI49_2811	YIR033W
DI49_2809; DI49_2810	DI49_2809; DI49_2810	
DI49_2807; YIR028W; DI49_2806	DI49_2807; DI49_2806	YIR028W
DI49_2804; DI49_2805	DI49_2804; DI49_2805	
DI49_2802; DI49_2803	DI49_2802; DI49_2803	
DI49_2800; DI49_2801	DI49_2800; DI49_2801	
DI49_2798; YIR018W	DI49_2798	YIR018W
DI49_2797; YIR017C; DI49_2796; YIR016W	DI49_2797; DI49_2796	YIR017C; YIR016W
DI49_2794; DI49_2795	DI49_2794; DI49_2795	
DI49_2792; YIR012W	DI49_2792	YIR012W
DI49_2791; YIR011C	DI49_2791	YIR011C
DI49_2790; YIR010W; DI49_2789; YIR009W	DI49_2790; DI49_2789	YIR010W; YIR009W
DI49_2787; YIR007W	DI49_2787	YIR007W
DI49_2785; YIR006C; DI49_2784; YIR005W	DI49_2785; DI49_2784	YIR006C; YIR005W
DI49_2782; DI49_2783	DI49_2782; DI49_2783	
DI49_2780; YIR001C; DI49_2779; YIL001W	DI49_2780; DI49_2779	YIR001C; YIL001W
DI49_2777; YIL002W-A	DI49_2777	YIL002W-A
DI49_2776; YIL003W; DI49_2775; YIL004C	DI49_2776; DI49_2775	YIL003W; YIL004C
DI49_2773; DI49_2774	DI49_2773; DI49_2774	
DI49_2771; DI49_2772	DI49_2771; DI49_2772	
DI49_2766; DI49_2767	DI49_2766; DI49_2767	
SPGP0P00610; DI49_2765	DI49_2765	SPGP0P00610
DI49_2762; YIL015W; DI49_2761; YIL016W	DI49_2762; DI49_2761	YIL015W; YIL016W
DI49_2759; YIL018W; DI49_1690; DI49_1689	DI49_2759; DI49_1690; DI49_1689	YIL018W
DI49_2758; YIL019W; DI49_2757; YIL020C	DI49_2758; DI49_2757	YIL019W; YIL020C
DI49_2755; YIL022W; DI49_2754; YIL023C	DI49_2755; DI49_2754	YIL022W; YIL023C
DI49_2752; DI49_2753	DI49_2752; DI49_2753	
DI49_2750; DI49_2751	DI49_2750; DI49_2751	
DI49_2748; YIL030C; DI49_2747; YIL031W	DI49_2748; DI49_2747	YIL030C; YIL031W
DI49_2745; YIL034C	DI49_2745	YIL034C
DI49_2744; YIL035C; DI49_2743; YIL036W	DI49_2744; DI49_2743	YIL035C; YIL036W
DI49_2741; YIL038C	DI49_2741	YIL038C
DI49_2740; YIL039W; DI49_2739; YIL040W	DI49_2740; DI49_2739	YIL039W; YIL040W
DI49_2737; DI49_2738	DI49_2737; DI49_2738	
DI49_2735; DI49_2736	DI49_2735; DI49_2736	
DI49_2733; YIL046W	DI49_2733	YIL046W

DI49_2732; YIL047C	DI49_2732	YIL047C
DI49_2731; YIL048W	DI49_2731	YIL048W
DI49_2730; YIL049W; DI49_2729; YIL050W	DI49_2730; DI49_2729	YIL049W; YIL050W
SPGP0P00960; YIL052C	SPGP0P00960	YIL052C
DI49_2727; YIL053W; SPGP0P00980	DI49_2727	YIL053W
DI49_2725; YIL056W	DI49_2725	YIL056W
DI49_2721; YIL062C	DI49_2721	YIL062C
DI49_2720; YIL063C; SPGP0P01050; YIL064W	DI49_2720	YIL063C; YIL064W
DI49_2718; YIL066C	DI49_2718	YIL066C
DI49_2717; YIL067C	DI49_2717	YIL067C
DI49_2716; YIL068C	DI49_2716	YIL068C
DI49_2715; DI49_1478; DI49_1479; YIL069C	DI49_2715; DI49_1478; DI49_1479	YIL069C
DI49_2714; YIL070C; DI49_2713; YIL071C	DI49_2714; DI49_2713	YIL070C; YIL071C
DI49_2711; DI49_2712	DI49_2711; DI49_2712	
DI49_2709; YIL075C; DI49_2708; YIL076W	DI49_2709; DI49_2708	YIL075C; YIL076W
DI49_2706; YIL077C	DI49_2706	YIL077C
DI49_2705; YIL078W; DI49_2704; YIL079C	DI49_2705; DI49_2704	YIL078W; YIL079C
SPGP0P01220; YIL083C; DI49_2702; YIL084C	DI49_2702	YIL083C; YIL084C
DI49_2700; DI49_2701	DI49_2700; DI49_2701	
SPGP0Ptrna5E; DI49_2698; DI49_2697	DI49_2698; DI49_2697	
DI49_2695; YIL091C; DI49_2694; YIL092W	DI49_2695; DI49_2694	YIL091C; YIL092W
DI49_2692; YIL094C	DI49_2692	YIL094C
DI49_2691; YIL095W	DI49_2691	YIL095W
SPGP0Ptrna4I; SPGP0Ftrna14I; DI49_2689; DI49_3947; SPGP0Atrna1I; SPGP0LXtrna7I; DI49_5588; DI49_1849; SPGP0URtrna9I; DI49_2084; DI49_3294; SPGP0BFtrna12I; YIL096C; SPGP0VRtrna13I; DI49_3807; SPGP0WD00100; SPGP0WUtrna19I; YER182W; SPGP0Bltrna17I; DI49_0301; SPGP0Bltrna18I	DI49_2689; DI49_3947; DI49_5588; DI49_1849; DI49_2084; DI49_3294; DI49_3807; DI49_0301	SPGP0Ptrna4I; SPGP0Ftrna14I; SPGP0Atrna1I; SPGP0LXtrna7I; SPGP0URtrna9I; SPGP0BFtrna12I; SPGP0VRtrna13I; SPGP0WD00100; SPGP0WUtrna19I; SPGP0Bltrna17I; SPGP0Bltrna18I
DI49_2687; DI49_2688	DI49_2687; DI49_2688	
DI49_2685; YIL101C	DI49_2685	YIL101C
DI49_2681; DI49_2682; YIL103W; YIL104C	DI49_2681; DI49_2682	YIL103W; YIL104C
DI49_2679; DI49_2680	DI49_2679; DI49_2680	
DI49_2677; YIL108W	DI49_2677	YIL108W
DI49_2676; YIL109C	DI49_2676	YIL109C
DI49_2675; YIL110W; SPGP0P01480; YIL111W	DI49_2675	YIL110W; YIL111W
DI49_2673; DI49_2674	DI49_2673; DI49_2674	
DI49_2671; YIL115C; DI49_2670; YIL116W	DI49_2671; DI49_2670	YIL115C; YIL116W
DI49_2668; DI49_2669	DI49_2668; DI49_2669	
DI49_2666; YIL120W; DI49_2665; YIL121W	DI49_2666; DI49_2665	YIL120W; YIL121W
DI49_2663; YIL123W	DI49_2663	YIL123W
DI49_2662; YIL124W	DI49_2662	YIL124W

DI49_2661; YIL125W	DI49_2661	YIL125W
DI49_2660; YIL126W; DI49_2659; YIL127C	DI49_2660; DI49_2659	YIL126W; YIL127C
DI49_2657; YIL129C; DI49_2656; YIL130W	DI49_2657; DI49_2656	YIL129C; YIL130W
DI49_2654; DI49_2655	DI49_2654; DI49_2655	
DI49_2652; SPGP0P01700	DI49_2652	SPGP0P01700
DI49_2650; DI49_2651	DI49_2650; DI49_2651	
DI49_2648; DI49_2649	DI49_2648; DI49_2649	
DI49_2646; DI49_2647	DI49_2646; DI49_2647	
DI49_2644; YIL143C; DI49_2643; YIL144W	DI49_2644; DI49_2643	YIL143C; YIL144W
DI49_2641; YIL146C	DI49_2641	YIL146C
DI49_2640; YIL147C	DI49_2640	YIL147C
DI49_2639; YIL148W; YLL039C; DI49_3494; YKR094C; DI49_3464; DI49_3686; DI49_3687	DI49_2639; DI49_3494; DI49_3464; DI49_3686; DI49_3687	YIL148W; YLL039C; YKR094C
DI49_2638; YIL149C	DI49_2638	YIL149C
DI49_2637; YIL150C	DI49_2637	YIL150C
DI49_2636; YIL151C	DI49_2636	YIL151C
DI49_2635; YIL152W; DI49_2634; YIL153W	DI49_2635; DI49_2634	YIL152W; YIL153W
DI49_2632; DI49_2633	DI49_2632; DI49_2633	
DI49_2630; DI49_2631	DI49_2630; DI49_2631	
DI49_2628; DI49_2629	DI49_2628; DI49_2629	
DI49_2626; YIL160C	DI49_2626	YIL160C
DI49_2625; YIL161W	DI49_2625	YIL161W
DI49_2624; YIL162W; DI49_2622; YIL164C	DI49_2624; DI49_2622	YIL162W; YIL164C
DI49_0767; YCR017C; DI49_0766; YCR018C	DI49_0767; DI49_0766	YCR017C; YCR018C
DI49_0762; YCR012W; YCR014C	DI49_0762	YCR012W; YCR014C
DI49_0761; YCR011C; DI49_0760	DI49_0761; DI49_0760	YCR011C
DI49_3953; SPGP0NZ00110; DI49_5378; DI49_4789	DI49_3953; DI49_5378; DI49_4789	SPGP0NZ00110
SPGP0FQ00100; DI49_0075; DI49_1458	DI49_0075; DI49_1458	SPGP0FQ00100
DI49_1465; DI49_1457	DI49_1465; DI49_1457	
DI49_1467; DI49_1466	DI49_1467; DI49_1466	
DI49_1469; DI49_1468	DI49_1469; DI49_1468	
DI49_4437; DI49_1385	DI49_4437; DI49_1385	
DI49_4435; DI49_4436	DI49_4435; DI49_4436	
DI49_4433; DI49_4434	DI49_4433; DI49_4434	
DI49_4431; DI49_4432	DI49_4431; DI49_4432	
DI49_4429; DI49_4430	DI49_4429; DI49_4430	
DI49_4427; DI49_4428	DI49_4427; DI49_4428	
DI49_4425; DI49_4426	DI49_4425; DI49_4426	
DI49_4423; DI49_4424	DI49_4423; DI49_4424	
DI49_4421; DI49_4422	DI49_4421; DI49_4422	

DI49_1565; SPGP0FW00270	DI49_1565	SPGP0FW00270
SPGP0FXtrna1W; DI49_5211; DI49_1569; DI49_3302	DI49_5211; DI49_1569; DI49_3302	SPGP0FXtrna1W
DI49_1679; DI49_1570	DI49_1679; DI49_1570	
DI49_1963; DI49_1678	DI49_1963; DI49_1678	
DI49_1389; DI49_1388	DI49_1389; DI49_1388	
DI49_3945; DI49_3946	DI49_3945; DI49_3946	
SPGP0GE00110; DI49_1327	DI49_1327	SPGP0GE00110
DI49_4504; DI49_4505	DI49_4504; DI49_4505	
DI49_4502; DI49_4503	DI49_4502; DI49_4503	
DI49_4500; DI49_4501	DI49_4500; DI49_4501	
DI49_4498; DI49_4499	DI49_4498; DI49_4499	
DI49_4496; DI49_4497	DI49_4496; DI49_4497	
DI49_4494; DI49_4495	DI49_4494; DI49_4495	
DI49_4492; DI49_4493	DI49_4492; DI49_4493	
DI49_4490; DI49_4491	DI49_4490; DI49_4491	
DI49_4488; DI49_4489	DI49_4488; DI49_4489	
DI49_4486; DI49_4487	DI49_4486; DI49_4487	
DI49_4484; DI49_4485	DI49_4484; DI49_4485	
DI49_4482; DI49_4483	DI49_4482; DI49_4483	
DI49_4480; DI49_4479; DI49_3759; DI49_1633	DI49_4480; DI49_4479; DI49_3759; DI49_1633	
DI49_5395; DI49_5396	DI49_5395; DI49_5396	
DI49_5393; DI49_5394	DI49_5393; DI49_5394	
DI49_5391; DI49_5392	DI49_5391; DI49_5392	
DI49_5389; DI49_5390	DI49_5389; DI49_5390	
DI49_5387; DI49_5388	DI49_5387; DI49_5388	
DI49_3804; DI49_5386	DI49_3804; DI49_5386	
DI49_3802; DI49_3803	DI49_3802; DI49_3803	
DI49_3797; DI49_3798	DI49_3797; DI49_3798	
DI49_3795; DI49_3796	DI49_3795; DI49_3796	
DI49_4568; YHR204W	DI49_4568	YHR204W
DI49_4566; DI49_4567	DI49_4566; DI49_4567	
DI49_4564; DI49_4565	DI49_4564; DI49_4565	
DI49_4562; DI49_4563	DI49_4562; DI49_4563	
DI49_1338; DI49_1337	DI49_1338; DI49_1337	
DI49_1340; DI49_1339	DI49_1340; DI49_1339	
DI49_1712; DI49_1713	DI49_1712; DI49_1713	
DI49_1710; DI49_1711	DI49_1710; DI49_1711	
SPGP0GQ00100; YJL225C; DI49_4506; YCL064C	DI49_4506	SPGP0GQ00100
DI49_4508; DI49_4507	DI49_4508; DI49_4507	YJL225C; YCL064C
DI49_4510; DI49_4509	DI49_4510; DI49_4509	

YNL336W; SPGP0WO00100; YNL335W; DI49_1969	DI49_1969	SPGP0WO00100	YNL336W; YNL335W
YNL333W; YNL334C			YNL333W; YNL334C
YDL240W; YDL241W			YDL240W; YDL241W
YDL238C; YDL239C			YDL238C; YDL239C
YDL236W; YDL237W			YDL236W; YDL237W
YDL234C; YDL235C			YDL234C; YDL235C
YDL232W; YDL233W			YDL232W; YDL233W
YDL230W; YDL231C			YDL230W; YDL231C
YDL227C; DI49_0855	DI49_0855		YDL227C
YDL226C; DI49_0856	DI49_0856		YDL226C
YDL225W; DI49_0857; YDL224C	DI49_0857		YDL225W; YDL224C
YDL222C; YDL223C			YDL222C; YDL223C
YDL219W; YDL220C			YDL219W; YDL220C
YDL217C; YDL218W			YDL217C; YDL218W
YDL215C; DI49_0866; YDL214C; DI49_0865	DI49_0866; DI49_0865		YDL215C; YDL214C
YDL212W; DI49_0869; YDL211C; DI49_0868	DI49_0869; DI49_0868		YDL212W; YDL211C
YDL210W; DI49_0872; YDL209C	DI49_0872		YDL210W; YDL209C
YDL207W; DI49_0875; YDL206W	DI49_0875		YDL207W; YDL206W
YDL204W; YDL205C			YDL204W; YDL205C
YDL202W; YDL203C			YDL202W; YDL203C
YDL200C; YDL201W			YDL200C; YDL201W
YDL198C; DI49_0884; YDL197C	DI49_0884		YDL198C; YDL197C
YDL194W; DI49_0887; YDL193W	DI49_0887		YDL194W; YDL193W
YDL191W; YDL136W			YDL191W; YDL136W
YDL190C; DI49_0891	DI49_0891		YDL190C
YDL189W; DI49_0892	DI49_0892		YDL189W
YDL188C; YDL134C; YDL186W			YDL188C; YDL134C; YDL186W
YDL183C; DI49_0896	DI49_0896		YDL183C
YDL182W; YDL131W; YDL181W			YDL182W; YDL131W; YDL181W
YDL179W; DI49_0900; DI49_0899	DI49_0900; DI49_0899		YDL179W
YDL178W; DI49_0901; YDL177C	DI49_0901		YDL178W; YDL177C
YDL175C; YDL176W			YDL175C; YDL176W
YDL173W; YDL174C			YDL173W; YDL174C
YDL170W; YDL171C; DI49_0907; DI49_0906	DI49_0907; DI49_0906		YDL170W; YDL171C
YDL168W; DI49_0910; DI49_0909	DI49_0910; DI49_0909		YDL168W
YDL167C; DI49_0911; YDL166C	DI49_0911		YDL167C; YDL166C
YDL164C; DI49_0914; YDL161W	DI49_0914		YDL164C; YDL161W
YDL160C; DI49_0917; DI49_0916	DI49_0917; DI49_0916		YDL160C
YDL159W; DI49_0918	DI49_0918		YDL159W
YDL157C; DI49_0919	DI49_0919		YDL157C

YDL156W; DI49_0920	DI49_0920	YDL156W
YDL155W; DI49_0921; YDL154W	DI49_0921	YDL155W; YDL154W
YDL150W; DI49_0924; YDL149W; DI49_0923	DI49_0924; DI49_0923	YDL150W; YDL149W
YDL147W; DI49_0927; DI49_0926	DI49_0927; DI49_0926	YDL147W
YDL146W; DI49_0928	DI49_0928	YDL146W
YDL145C; DI49_0929; YDL144C	DI49_0929	YDL145C; YDL144C
YDL142C; YDL143W		YDL142C; YDL143W
YDL140C; DI49_0934; YDL139C	DI49_0934	YDL140C; YDL139C
YDL135C; DI49_0937	DI49_0937	YDL135C
YDL133W; DI49_0939	DI49_0939	YDL133W
YDL132W; DI49_0940	DI49_0940	YDL132W
YDL130W; SPGP0BE03930; YDL129W; DI49_0942	DI49_0942	YDL130W; YDL129W
YDL127W; YDL128W		YDL127W; YDL128W
YDL125C; YDL126C; DI49_0946; DI49_0945	DI49_0946; DI49_0945	YDL125C; YDL126C
YDL123W; YDL124W		YDL123W; YDL124W
YDL121C; YDL122W; DI49_0949; DI49_0948	DI49_0949; DI49_0948	YDL121C; YDL122W
YDL119C; DI49_0952; YDL117W; DI49_0951	DI49_0952; DI49_0951	YDL119C; YDL117W
YDL115C; DI49_0955; DI49_0954	DI49_0955; DI49_0954	YDL115C
YDL114W; DI49_0956; YDL113C	DI49_0956	YDL114W; YDL113C
YDL111C; DI49_0959; DI49_0958	DI49_0959; DI49_0958	YDL111C
YDL110C; DI49_0960; YDL109C	DI49_0960	YDL110C; YDL109C
YDL107W; YDL108W		YDL107W; YDL108W
YDL105W; DI49_0965; YDL104C	DI49_0965	YDL105W; YDL104C
YDL102W; YDL103C; DI49_0967; DI49_0966	DI49_0967; DI49_0966	YDL102W; YDL103C
YDL100C; DI49_0970; YDL099W; DI49_0969	DI49_0970; DI49_0969	YDL100C; YDL099W
YDL097C; DI49_0973; DI49_0972	DI49_0973; DI49_0972	YDL097C
YDL095W; DI49_0974; YDL093W	DI49_0974	YDL095W; YDL093W
YDL091C; DI49_0977; YDL090C; DI49_0976	DI49_0977; DI49_0976	YDL091C; YDL090C
YDL088C; YDL089W		YDL088C; YDL089W
YDL086W; YDL087C; DI49_0980; DI49_0979	DI49_0980; DI49_0979	YDL086W; YDL087C
YDL085W; DI49_0983; DI49_0982	DI49_0983; DI49_0982	YDL085W
YDL084W; DI49_0984	DI49_0984	YDL084W
YDL083C; SPGP0BE03490		YDL083C
YDL082W; DI49_0985; SPGP0C01740; DI49_4228	DI49_0985; DI49_4228	YDL082W
YDL081C; DI49_0986	DI49_0986	YDL081C
YDL080C; DI49_0987; YDL079C	DI49_0987	YDL080C; YDL079C
YDL077C; DI49_0989	DI49_0989	YDL077C
YDL076C; DI49_0990	DI49_0990	YDL076C
YDL074C; DI49_0992	DI49_0992	YDL074C
YDL073W; DI49_0993; YDL072C	DI49_0993	YDL073W; YDL072C

YDL069C; YDL070W			YDL069C; YDL070W
YDL066W; DI49_0998; YDL065C	DI49_0998		YDL066W; YDL065C
YDL063C; DI49_1000	DI49_1000		YDL063C
YDL061C; DI49_1001; YDL060W; DI49_3888; DI49_3887	DI49_1001; DI49_3888; DI49_3887		YDL061C; YDL060W
YDL058W; DI49_1004; YDL057W; DI49_1003	DI49_1004; DI49_1003		YDL058W; YDL057W
YDL055C; DI49_1007	DI49_1007		YDL055C
YDL052C; YDL053C			YDL052C; YDL053C
YDL049C; DI49_1013	DI49_1013		YDL049C
YDL048C; DI49_1014	DI49_1014		YDL048C
YDL047W; DI49_1015; YDL046W; SPGP0BE03160	DI49_1015	SPGP0BE03160	YDL047W; YDL046W
YDL045C; DI49_1018; DI49_1017	DI49_1018; DI49_1017		YDL045C
YDL044C; DI49_1019; YDL043C	DI49_1019		YDL044C; YDL043C
YDL040C; DI49_1022; YDL039C	DI49_1022		YDL040C; YDL039C
YDL035C; YDL036C			YDL035C; YDL036C
YDL031W; DI49_1025; YDL030W; SPGP0BE03040	DI49_1025	SPGP0BE03040	YDL031W; YDL030W
YDL028C; DI49_1027; YDL027C; SPGP0BE03010	DI49_1027	SPGP0BE03010	YDL028C; YDL027C
YDL024C; YDL025C			YDL024C; YDL025C
YDL022W; DI49_1032; YDL021W	DI49_1032		YDL022W; YDL021W
YDL019C; DI49_1035; YDL018C; DI49_1034	DI49_1035; DI49_1034		YDL019C; YDL018C
YDL015C; YDL017W			YDL015C; YDL017W
YDL013W; YDL014W; DI49_1040; DI49_1039	DI49_1040; DI49_1039		YDL013W; YDL014W
YDL010W; DI49_1042; YDL008W; SPGP0BE02860	DI49_1042	SPGP0BE02860	YDL010W; YDL008W
YDL007W; DI49_1047	DI49_1047		YDL007W
YDL006W; DI49_1048	DI49_1048		YDL006W
YDL005C; DI49_1049; YDL004W	DI49_1049		YDL005C; YDL004W
YDL002C; DI49_1052; YDL001W; DI49_1051	DI49_1052; DI49_1051		YDL002C; YDL001W
YDR002W; DI49_1055; YDR003W	DI49_1055		YDR002W; YDR003W
YDR005C; YDR004W			YDR005C; YDR004W
YDR007W; DI49_1060; YDR009W	DI49_1060		YDR007W; YDR009W
YDR012W; YBR031W; YDR013W			YDR012W; YBR031W; YDR013W
YDR014W-A; YDR014W			YDR014W-A; YDR014W
YDR017C; DI49_0215; DI49_0214	DI49_0215; DI49_0214		YDR017C
YDR018C; DI49_0216; YDR019C	DI49_0216		YDR018C; YDR019C
YDR021W; DI49_0219; DI49_0218	DI49_0219; DI49_0218		YDR021W
YDR022C; DI49_0220	DI49_0220		YDR022C
SPGP0Atrna1V; DI49_1074; DI49_1073; SPGP0Bltrna21V; YBR044C	DI49_1074; DI49_1073	SPGP0Atrna1V; SPGP0Bltrna21V	YBR044C
YDR023W; DI49_0222; YDR024W	DI49_0222		YDR023W; YDR024W
YDR026C; DI49_0224	DI49_0224		YDR026C
YDR027C; DI49_0225	DI49_0225		YDR027C
YDR028C; DI49_0226; YDR030C	DI49_0226		YDR028C; YDR030C



YDR032C; DI49_0229	DI49_0229	YDR032C
YDR033W; DI49_0230; YDR034C	DI49_0230	YDR033W; YDR034C
SPGP0Atrna1Q; DI49_2421; SPGP0Atrna3Q; DI49_0779; DI49_3679; SPGP0Btrna4Q; SPGP0OFtrna9Q; DI49_1450; SPGP0BGtrna12Q; SPGP0Btrna15Q; DI49_0293; SPGP0BI02750	DI49_2421; DI49_0779; DI49_3679; DI49_1450; DI49_0293	SPGP0Atrna1Q; SPGP0Atrna3Q; SPGP0Btrna4Q; SPGP0OFtrna9Q; SPGP0BGtrna12Q; SPGP0Btrna15Q; SPGP0BI02750
YDR035W; DI49_0233	DI49_0233	YDR035W
YDR036C; DI49_0234	DI49_0234	YDR036C
SPGP0A02650; DI49_1093; YDR040C; SPGP0BI02720; DI49_1092	DI49_1093; DI49_1092	YDR040C
YDR042C; YDR041W; DI49_0237; DI49_0236	DI49_0237; DI49_0236	YDR042C; YDR041W
YDR044W; DI49_0240; YDR045C; DI49_0239	DI49_0240; DI49_0239	YDR044W; YDR045C
YDR047W; DI49_0243; YDR049W	DI49_0243	YDR047W; YDR049W
YDR051C; DI49_0246	DI49_0246	YDR051C
YDR052C; DI49_0247	DI49_0247	YDR052C
YDR054C; DI49_0248	DI49_0248	YDR054C
YDR055W; DI49_0249; YDR056C	DI49_0249	YDR055W; YDR056C
YDR058C; DI49_0252	DI49_0252	YDR058C
SPGP0Atrna1R; SPGP0ltna29R; DI49_4019; SPGP0Ftrna17R; SPGP0Gtrna24R; SPGP0Htrna26R; YMR239C; SPGP0ltna28R	DI49_4019	SPGP0Atrna1R; SPGP0ltna29R; SPGP0Ftrna17R; SPGP0Gtrna24R; SPGP0Htrna26R; SPGP0ltna28R
YDR061W; DI49_0257	DI49_0257	YMR239C
YDR062W; DI49_0258	DI49_0258	YDR061W
YDR063W; DI49_0259	DI49_0259	YDR062W
YDR064W; SPGP0BI02490; YDR065W		YDR063W
YDR067C; DI49_0263; YDR068W; DI49_0262	DI49_0263; DI49_0262	YDR064W; YDR065W
YDR070C; YDR069C; DI49_0265; DI49_0264	DI49_0265; DI49_0264	YDR067C; YDR068W
YDR072C; DI49_0268; YDR073W; DI49_0267	DI49_0268; DI49_0267	YDR070C; YDR069C
YDR075W; DI49_0271	DI49_0271	YDR072C; YDR073W
YDR076W; DI49_0272	DI49_0272	YDR075W
YDR077W; DI49_0273; YDR078C	DI49_0273	YDR076W
YDR079C-A; YDR079W		YDR077W; YDR078C
YDR081C; YDR080W; DI49_0277; DI49_0276	DI49_0277; DI49_0276	YDR079C-A; YDR079W
YDR083W; DI49_0280; YDR084C; DI49_0279	DI49_0280; DI49_0279	YDR081C; YDR080W
YDR086C; YDR085C; DI49_0282; DI49_0281	DI49_0282; DI49_0281	YDR083W; YDR084C
YDR088C; DI49_0285; DI49_0284	DI49_0285; DI49_0284	YDR086C; YDR085C
YDR089W; DI49_0287; YDR090C	DI49_0287	YDR088C
YDR092W; YDR091C		YDR089W; YDR090C
YDR096W; DI49_0291	DI49_0291	YDR092W; YDR091C
YDR097C; DI49_0292; YDR098C	DI49_0292	YDR096W
YDR099W; DI49_0295; YDR100W	DI49_0295	YDR097C; YDR098C
YDR103W; YDR101C; DI49_0297; DI49_0296	DI49_0297; DI49_0296	YDR099W; YDR100W
		YDR103W; YDR101C

YDR105C; YDR104C			YDR105C; YDR104C
YDR107C; DI49_0303	DI49_0303		YDR107C
YDR108W; DI49_0304; YDR109C	DI49_0304		YDR108W; YDR109C
YDR111C; YDR110W			YDR111C; YDR110W
YDR115W; YDR113C			YDR115W; YDR113C
YDR117C; YDR116C			YDR117C; YDR116C
YDR119W; DI49_0312; YDR119W-A; DI49_0311	DI49_0312; DI49_0311		YDR119W; YDR119W-A
YDR121W; YDR120C			YDR121W; YDR120C
YDR123C; DI49_0317; YDR124W	DI49_0317		YDR123C; YDR124W
YDR126W; DI49_0320	DI49_0320		YDR126W
YDR127W; DI49_0321; YDR128W	DI49_0321		YDR127W; YDR128W
YDR130C; SPGP0A03500		SPGP0A03500	YDR130C
YDR132C; YDR131C			YDR132C; YDR131C
YDR135C; DI49_0328; YDR137W	DI49_0328		YDR135C; YDR137W
YDR139C; YDR138W			YDR139C; YDR138W
YDR141C; DI49_0333; DI49_0332	DI49_0333; DI49_0332		YDR141C
YDR142C; DI49_0334	DI49_0334		YDR142C
YDR143C; DI49_0335; YDR144C	DI49_0335		YDR143C; YDR144C
YDR146C; YDR145W; DI49_0337; DI49_0336	DI49_0337; DI49_0336		YDR146C; YDR145W
YDR148C; DI49_0340; YDR150W; DI49_0339	DI49_0340; DI49_0339		YDR148C; YDR150W
YDR152W; YDR151C			YDR152W; YDR151C
YDR155C; DI49_0344; YDR156W	DI49_0344		YDR155C; YDR156W
YDR159W; YDR158W			YDR159W; YDR158W
YDR161W; YDR160W			YDR161W; YDR160W
YDR163W; YDR162C; DI49_0350; DI49_0349	DI49_0350; DI49_0349		YDR163W; YDR162C
YDR165W; DI49_0353; DI49_0352	DI49_0353; DI49_0352		YDR165W
YDR166C; DI49_0354; YDR167W	DI49_0354		YDR166C; YDR167W
YDR169C; DI49_0357	DI49_0357		YDR169C
YDR170C; DI49_0359	DI49_0359		YDR170C
YDR173C; DI49_0363	DI49_0363		YDR173C
YDR174W; DI49_0364; YDR175C	DI49_0364		YDR174W; YDR175C
YDR177W; YDR176W; DI49_0366; DI49_0365	DI49_0366; DI49_0365		YDR177W; YDR176W
YDR179C; YDR178W			YDR179C; YDR178W
YDR180W; DI49_0371; YDR181C; DI49_0370	DI49_0371; DI49_0370		YDR180W; YDR181C
YDR183W; YDR182W			YDR183W; YDR182W
YDR185C; DI49_0376; DI49_0375	DI49_0376; DI49_0375		YDR185C
YDR186C; DI49_0377	DI49_0377		YDR186C
YDR188W; DI49_0378	DI49_0378		YDR188W
YDR189W; DI49_0379	DI49_0379		YDR189W
YDR190C; DI49_0380; YDR191W	DI49_0380		YDR190C; YDR191W

YDR194C; DI49_0382; SPGP0BI01300	DI49_0382	SPGP0BI01300	YDR194C
YDR195W; DI49_0383; YDR196C	DI49_0383		YDR195W; YDR196C
YDR198C; DI49_0386; YDR200C; DI49_0385	DI49_0386; DI49_0385		YDR198C; YDR200C
YDR202C; DI49_0389	DI49_0389		YDR202C
YDR204W; DI49_0390; YDR205W	DI49_0390		YDR204W; YDR205W
YDR207C; YDR206W			YDR207C; YDR206W
SPGP0Atrna2I; DI49_0395; YDR211W	DI49_0395	SPGP0Atrna2I	YDR211W
YDR213W; DI49_0398; YDR214W; DI49_3741; DI49_3742	DI49_0398; DI49_3741; DI49_3742		YDR213W; YDR214W
YDR217C; YDR216W			YDR217C; YDR216W
YDR219C; YDR218C			YDR219C; YDR218C
YDR222W; YDR221W; DI49_0403; DI49_0402	DI49_0403; DI49_0402		YDR222W; YDR221W
YDR224C; DI49_0406; DI49_0180; DI49_0405	DI49_0406; DI49_0180; DI49_0405		YDR224C
YDR225W; YBL003C			YDR225W; YBL003C
YDR226W; DI49_0408; YDR227W	DI49_0408		YDR226W; YDR227W
YDR229W; DI49_0411	DI49_0411		YDR229W
YDR231C; DI49_0412	DI49_0412		YDR231C
YDR232W; DI49_0413	DI49_0413		YDR232W
YDR233C; DI49_0414	DI49_0414		YDR233C
YDR234W; DI49_0416; DI49_0415	DI49_0416; DI49_0415		YDR234W
YDR235W; DI49_0417	DI49_0417		YDR235W
YDR236C; DI49_0418; YDR237W	DI49_0418		YDR236C; YDR237W
YDR239C; YDR238C			YDR239C; YDR238C
YDR242W; SPGP0BI00880; YDR243C		SPGP0BI00880	YDR242W; YDR243C
YDR245W; DI49_0426; YDR246W	DI49_0426		YDR245W; YDR246W
YDR248C; DI49_0429; YDR249C; DI49_0428	DI49_0429; DI49_0428		YDR248C; YDR249C
YDR252W; YDR251W			YDR252W; YDR251W
YDR254W; YDR253C			YDR254W; YDR253C
YDR256C; DI49_0436; YDR257C; DI49_0435	DI49_0436; DI49_0435		YDR256C; YDR257C
YDR259C; YDR258C			YDR259C; YDR258C
YDR261C; YDR260C			YDR261C; YDR260C
YDR264C; YDR263C			YDR264C; YDR263C
YDR266C; YDR265W			YDR266C; YDR265W
YDR268W; DI49_0449	DI49_0449		YDR268W
YDR270W; DI49_0450; YDR272W	DI49_0450		YDR270W; YDR272W
YDR275W; YDR273W			YDR275W; YDR273W
YDR277C; DI49_0455	DI49_0455		YDR277C
SPGP0A04820; SPGP0A04830; YGR161W-B		SPGP0A04820; SPGP0A04830	YGR161W-B
SPGP0Atrna1E; YDR278C; YDR279W; YIL089W		SPGP0Atrna1E	YDR278C; YDR279W; YIL089W
YDR281C; YDR280W; DI49_0458; DI49_0457	DI49_0458; DI49_0457		YDR281C; YDR280W
YDR283C; DI49_0461; YDR284C; DI49_0460	DI49_0461; DI49_0460		YDR283C; YDR284C

YDR286C; YDR285W			YDR286C; YDR285W
YDR288W; YDR287W; DI49_0465; DI49_0464	DI49_0465; DI49_0464		YDR288W; YDR287W
YDR291W; DI49_0468; DI49_0467	DI49_0468; DI49_0467		YDR291W
YDR292C; DI49_0469	DI49_0469		YDR292C
YDR293C; DI49_0470	DI49_0470		YDR293C
YDR294C; DI49_0471	DI49_0471		YDR294C
YDR295C; DI49_0472; YDR296W	DI49_0472		YDR295C; YDR296W
YDR298C; DI49_0475	DI49_0475		YDR298C
YDR299W; DI49_0476	DI49_0476		YDR299W
YDR300C; DI49_0477	DI49_0477		YDR300C
YDR301W; DI49_0478; YDR302W	DI49_0478		YDR301W; YDR302W
YDR304C; YDR303C			YDR304C; YDR303C
YDR306C; YDR305C			YDR306C; YDR305C
YDR307W; SPGP0Btrna7V; SPGP0Atrna2V; DI49_2588	DI49_2588	SPGP0Btrna7V; SPGP0Atrna2V	YDR307W
YDR309C; YDR308C			YDR309C; YDR308C
YDR311W; YDR310C			YDR311W; YDR310C
YDR313C; YDR312W; YHR066W; YHR067W			YDR313C; YDR312W; YHR066W; YHR067W
YDR315C; YDR314C			YDR315C; YDR314C
SPGP0Atrna1F; DI49_0495; YDR317W	DI49_0495	SPGP0Atrna1F	YDR317W
YDR319C; YDR318W			YDR319C; YDR318W
YDR320C-A; DI49_0500; DI49_0499	DI49_0500; DI49_0499		YDR320C-A
YDR321W; DI49_0501	DI49_0501		YDR321W
YDR322W; DI49_0502	DI49_0502		YDR322W
YDR322C-A; DI49_0503; YDR323C	DI49_0503		YDR322C-A; YDR323C
SPGP0GR00100; YDR324C; DI49_0505; DI49_0504	DI49_0505; DI49_0504	SPGP0GR00100	YDR324C
DI49_1476; DI49_1475	DI49_1476; DI49_1475		
DI49_1626; DI49_1625	DI49_1626; DI49_1625		
DI49_1628; DI49_1627	DI49_1628; DI49_1627		
DI49_1629; SPGP0GT00150	DI49_1629	SPGP0GT00150	
YPL264C; YPL263C			YPL264C; YPL263C
YPL266W; YPL265W			YPL266W; YPL265W
YPL268W; YPL267W			YPL268W; YPL267W
YPL270W; YPL269W			YPL270W; YPL269W
YPL272C; YPL271W			YPL272C; YPL271W
DI49_5288; SPGP0GU00200	DI49_5288	SPGP0GU00200	
DI49_5290; DI49_5289	DI49_5290; DI49_5289		
DI49_5292; DI49_5291	DI49_5292; DI49_5291		
DI49_5293; SPGP0GV00150	DI49_5293	SPGP0GV00150	
DI49_3941; DI49_4017; DI49_3940	DI49_3941; DI49_4017; DI49_3940		
SPGP0GW00140; DI49_3939	DI49_3939	SPGP0GW00140	

SPGP0GW00160; DI49_3938	DI49_3938	SPGP0GW00160	
DI49_3936; DI49_3937	DI49_3936; DI49_3937		
DI49_3934; DI49_3935	DI49_3934; DI49_3935		
DI49_3932; DI49_3933	DI49_3932; DI49_3933		
DI49_1653; DI49_1652	DI49_1653; DI49_1652		
DI49_1655; DI49_1654	DI49_1655; DI49_1654		
DI49_1657; DI49_1656	DI49_1657; DI49_1656		
DI49_0777; YCR024C-A; DI49_0776; YCR026C	DI49_0777; DI49_0776		YCR024C-A; YCR026C
DI49_0774; DI49_0775; YCR023C; YCR024C	DI49_0774; DI49_0775		YCR023C; YCR024C
DI49_0772; DI49_0773	DI49_0772; DI49_0773		
DI49_0770; YCR019W; YCR020C	DI49_0770		YCR019W; YCR020C
DI49_4732; DI49_4731	DI49_4732; DI49_4731		
DI49_4734; DI49_4733	DI49_4734; DI49_4733		
SPGP0HAtrna7P; DI49_4736; DI49_5638; SPGP0RZtrna14P; YCR007C	DI49_4736; DI49_5638	SPGP0HAtrna7P; SPGP0RZtrna14P	YCR007C
DI49_5636; DI49_5637	DI49_5636; DI49_5637		
DI49_5634; DI49_5635	DI49_5634; DI49_5635		
DI49_5632; DI49_5633	DI49_5632; DI49_5633		
DI49_5630; DI49_5631	DI49_5630; DI49_5631		
DI49_5628; DI49_5629	DI49_5628; DI49_5629		
DI49_1631; DI49_1630	DI49_1631; DI49_1630		
DI49_3760; DI49_4723; DI49_3761; DI49_4718	DI49_3760; DI49_4723; DI49_3761; DI49_4718		
DI49_3554; DI49_3555	DI49_3554; DI49_3555		
DI49_3552; DI49_3553	DI49_3552; DI49_3553		
SPGP0HJ00100; DI49_0719	DI49_0719	SPGP0HJ00100	
SPGP0HJ00120; SPGP0HJ00110		SPGP0HJ00120; SPGP0HJ00110	
SPGP0HJ00140; SPGP0HJ00130		SPGP0HJ00140; SPGP0HJ00130	
DI49_0688; DI49_0689	DI49_0688; DI49_0689		
SPGP0HK00100; DI49_0687	DI49_0687	SPGP0HK00100	
DI49_0076; DI49_0077; DI49_0001; DI49_3333	DI49_0076; DI49_0077; DI49_0001; DI49_3333		
SPGP0U00140; SPGP0WQ00250; SPGP0U00150; DI49_2025	DI49_2025	SPGP0U00140; SPGP0WQ00250; SPGP0U00150	
DI49_0072; SPGP0U00160	DI49_0072	SPGP0U00160	
DI49_0070; DI49_0071	DI49_0070; DI49_0071		
DI49_0068; YAR014C	DI49_0068		YAR014C
DI49_0064; DI49_0065	DI49_0064; DI49_0065		
DI49_0062; YAR007C	DI49_0062		YAR007C
DI49_0061; YAR003W	DI49_0061		YAR003W
DI49_0060; YAR002C-A; DI49_0059; YAR002W	DI49_0060; DI49_0059		YAR002C-A; YAR002W
DI49_0057; DI49_0058	DI49_0057; DI49_0058		
DI49_0055; DI49_3507; YAL005C; DI49_3508	DI49_0055; DI49_3507; DI49_3508		YAL005C

DI49_0053; YAL007C; DI49_0052; YAL008W	DI49_0053; DI49_0052	YAL007C; YAL008W
DI49_0050; DI49_0051	DI49_0050; DI49_0051	
DI49_0048; YAL012W	DI49_0048	YAL012W
SPGP0U00400; YAL013W		YAL013W
DI49_0047; YAL014C; DI49_0046; DI49_0546	DI49_0047; DI49_0046; DI49_0546	YAL014C
DI49_0044; DI49_0045; YAL016W; YNR053C	DI49_0044; DI49_0045	YAL016W; YNR053C
DI49_0042; YAL019W; YAL018C	DI49_0042	YAL019W; YAL018C
DI49_0041; YAL020C	DI49_0041	YAL020C
DI49_0040; YAL021C	DI49_0040	YAL021C
DI49_0039; YAL022C	DI49_0039	YAL022C
DI49_0038; YAL023C	DI49_0038	YAL023C
DI49_0037; YAL024C; DI49_0036	DI49_0037; DI49_0036	YAL024C
DI49_0034; DI49_0035; YAL026C; YAL027W	DI49_0034; DI49_0035	YAL026C; YAL027W
DI49_0032; YAL029C; SPGP0U00570; YAL030W	DI49_0032	YAL029C; YAL030W
DI49_0030; DI49_0031	DI49_0030; DI49_0031	
DI49_0028; YAL034C	DI49_0028	YAL034C
DI49_0027; YAL034W-A	DI49_0027	YAL034W-A
DI49_0026; YAL035W	DI49_0026	YAL035W
DI49_0025; YAL036C; DI49_0024; DI49_0562	DI49_0025; DI49_0024; DI49_0562	YAL036C
DI49_0022; DI49_0023	DI49_0022; DI49_0023	
DI49_0020; YAL041W	DI49_0020	YAL041W
DI49_0019; YAL042W	DI49_0019	YAL042W
DI49_0018; YAL043C; DI49_0017; YAL044C	DI49_0018; DI49_0017	YAL043C; YAL044C
DI49_0015; YAL046C; DI49_0014; YAL047C	DI49_0015; DI49_0014	YAL046C; YAL047C
DI49_0012; DI49_0013	DI49_0012; DI49_0013	
DI49_0010; DI49_0011	DI49_0010; DI49_0011	
DI49_0008; DI49_0009	DI49_0008; DI49_0009	
DI49_0006; DI49_0007; YAL056W; YLL015W	DI49_0006; DI49_0007	YAL056W; YLL015W
DI49_0004; DI49_0005	DI49_0004; DI49_0005	
DI49_0002; YAL062W; SPGP0TJ00100	DI49_0002	YAL062W
DI49_3331; DI49_3332	DI49_3331; DI49_3332	
DI49_3329; DI49_3330	DI49_3329; DI49_3330	
DI49_3327; DI49_3328	DI49_3327; DI49_3328	
DI49_3325; DI49_3326	DI49_3325; DI49_3326	
DI49_3324; SPGP0HL00190	DI49_3324	
DI49_4011; DI49_3323	DI49_4011; DI49_3323	
DI49_4009; DI49_4010	DI49_4009; DI49_4010	
DI49_4007; DI49_4008	DI49_4007; DI49_4008	
DI49_4005; DI49_3969; DI49_4004; DI49_3968	DI49_4005; DI49_3969; DI49_4004; DI49_3968	
DI49_4002; DI49_4003	DI49_4002; DI49_4003	

DI49_4000; DI49_4001	DI49_4000; DI49_4001	
DI49_3998; DI49_3999	DI49_3998; DI49_3999	
DI49_3996; DI49_3997	DI49_3996; DI49_3997	
DI49_3994; DI49_3995	DI49_3994; DI49_3995	
SPGP0HO00290; DI49_3993	DI49_3993	SPGP0HO00290
DI49_3991; DI49_3992	DI49_3991; DI49_3992	
DI49_3989; DI49_3990	DI49_3989; DI49_3990	
DI49_3987; DI49_3988	DI49_3987; DI49_3988	
DI49_5433; DI49_1918	DI49_5433; DI49_1918	
DI49_5435; DI49_5434	DI49_5435; DI49_5434	
DI49_5437; DI49_1649; DI49_5438; DI49_1650	DI49_5437; DI49_1649; DI49_5438; DI49_1650	
DI49_5440; DI49_5439	DI49_5440; DI49_5439	
DI49_5441; SPGP0HT00180	DI49_5441	SPGP0HT00180
DI49_5443; DI49_5442	DI49_5443; DI49_5442	
DI49_5445; DI49_5444	DI49_5445; DI49_5444	
DI49_5447; DI49_5446	DI49_5447; DI49_5446	
DI49_5449; DI49_5448	DI49_5449; DI49_5448	
DI49_3521; YPL006W	DI49_3521	YPL006W
DI49_3523; DI49_3522	DI49_3523; DI49_3522	
DI49_3525; DI49_3524	DI49_3525; DI49_3524	
DI49_3527; DI49_3526	DI49_3527; DI49_3526	
DI49_2099; DI49_5598; YGL178W; DI49_0730	DI49_2099; DI49_5598; DI49_0730	YGL178W
DI49_3349; DI49_3350	DI49_3349; DI49_3350	
DI49_3347; DI49_3348	DI49_3347; DI49_3348	
DI49_3345; DI49_3346	DI49_3345; DI49_3346	
DI49_3344; SPGP0HX00160	DI49_3344	SPGP0HX00160
DI49_3342; DI49_3343	DI49_3342; DI49_3343	
DI49_0631; DI49_0630	DI49_0631; DI49_0630	
DI49_0633; DI49_0632	DI49_0633; DI49_0632	
DI49_4622; DI49_0634	DI49_4622; DI49_0634	
DI49_4624; DI49_4623	DI49_4624; DI49_4623	
DI49_4626; DI49_4625	DI49_4626; DI49_4625	
DI49_4628; DI49_4627	DI49_4628; DI49_4627	
DI49_4630; DI49_4629	DI49_4630; DI49_4629	
DI49_4632; DI49_4631	DI49_4632; DI49_4631	
DI49_4634; DI49_4633	DI49_4634; DI49_4633	
DI49_4639; DI49_4638	DI49_4639; DI49_4638	
DI49_4641; DI49_4640	DI49_4641; DI49_4640	
DI49_4643; DI49_4642	DI49_4643; DI49_4642	
DI49_4645; DI49_4644	DI49_4645; DI49_4644	

DI49_4647; DI49_4646	DI49_4647; DI49_4646		
DI49_3685; DI49_4648	DI49_3685; DI49_4648		
DI49_3683; DI49_3684	DI49_3683; DI49_3684		
SPGP0IA00140; DI49_3682	DI49_3682	SPGP0IA00140	
DI49_1405; DI49_1404	DI49_1405; DI49_1404		
DI49_1535; YGL189C; DI49_1534; YGL187C	DI49_1535; DI49_1534		YGL189C; YGL187C
DI49_1532; DI49_1533	DI49_1532; DI49_1533		
DI49_1530; DI49_1531	DI49_1530; DI49_1531		
DI49_1528; DI49_1529	DI49_1528; DI49_1529		
DI49_1526; DI49_1527	DI49_1526; DI49_1527		
DI49_1524; DI49_1525	DI49_1524; DI49_1525		
DI49_1522; DI49_0101; DI49_1521	DI49_1522; DI49_0101; DI49_1521		
DI49_1519; DI49_1520	DI49_1519; DI49_1520		
DI49_1878; DI49_1877	DI49_1878; DI49_1877		
DI49_1882; DI49_1881	DI49_1882; DI49_1881		
DI49_1502; SPGP0ID00160	DI49_1502	SPGP0ID00160	
DI49_1500; DI49_1501	DI49_1500; DI49_1501		
DI49_1499; SPGP0IE00130	DI49_1499	SPGP0IE00130	
DI49_1497; DI49_1498	DI49_1497; DI49_1498		
DI49_1495; DI49_1496	DI49_1495; DI49_1496		
YPL250C; DI49_1494	DI49_1494		YPL250C
YPL249C; YPL249C-A			YPL249C; YPL249C-A
DI49_1983; YPL248C	DI49_1983		YPL248C
DI49_1981; DI49_1982	DI49_1981; DI49_1982		
DI49_1979; DI49_1980	DI49_1979; DI49_1980		
DI49_1977; DI49_1978	DI49_1977; DI49_1978		
DI49_1676; DI49_1976	DI49_1676; DI49_1976		
YPL218W; DI49_5250	DI49_5250		YPL218W
DI49_5252; DI49_5251	DI49_5252; DI49_5251		
DI49_1842; DI49_1841	DI49_1842; DI49_1841		
DI49_1844; DI49_1843	DI49_1844; DI49_1843		
DI49_1846; DI49_1845	DI49_1846; DI49_1845		
DI49_1848; DI49_1847	DI49_1848; DI49_1847		
DI49_5562; DI49_3663	DI49_5562; DI49_3663		
SPGP0IO00100; DI49_2577; DI49_2217; DI49_2578	DI49_2577; DI49_2217; DI49_2578	SPGP0IO00100	
DI49_2215; DI49_2216	DI49_2215; DI49_2216		
YJL222W; YBL017C; YCR099C; YBL018C			YJL222W; YBL017C; YCR099C; YBL018C
YJL221C; SPGP0I03360; YBR299W; DI49_1687;		SPGP0I03360; SPGP0AG00130; SPGP0BF01870;	
SPGP0AG00130; DI49_1909; DI49_1598; DI49_1599;		SPGP0CU00100	YJL221C; YBR299W
SPGP0BF01870; SPGP0CU00100	DI49_1687; DI49_1909; DI49_1598; DI49_1599		
YOL156W; SPGP0I03350; YIL171W		SPGP0I03350	YOL156W; YIL171W



YOL155C; YIL169C; YOL154W		YOL155C; YIL169C; YOL154W
YOL152W; DI49_2257	DI49_2257	YOL152W
YOL151W; DI49_2258	DI49_2258	YOL151W
YOL149W; DI49_2259	DI49_2259	YOL149W
YOL148C; DI49_2260	DI49_2260	YOL148C
YOL147C; DI49_2261; YOL146W; DI49_2262	DI49_2261; DI49_2262	YOL147C; YOL146W
YOL144W; YOL145C		YOL144W; YOL145C
YOL142W; DI49_2266; YOL141W; DI49_2267	DI49_2266; DI49_2267	YOL142W; YOL141W
YOL139C; DI49_2269; YOL138C; DI49_2270	DI49_2269; DI49_2270	YOL139C; YOL138C
YOL136C; DI49_2272; YOL135C; DI49_2273	DI49_2272; DI49_2273	YOL136C; YOL135C
YOL132W; DI49_2275; YOL131W; DI49_2276	DI49_2275; DI49_2276	YOL132W; YOL131W
YOL129W; DI49_2278	DI49_2278	YOL129W
YOL128C; DI49_2279	DI49_2279	YOL128C
YOL127W; DI49_2280	DI49_2280	YOL127W
YOL126C; DI49_2281; YOL125W; DI49_2282	DI49_2281; DI49_2282	YOL126C; YOL125W
YOL123W; DI49_2284	DI49_2284	YOL123W
YOL122C; DI49_2285	DI49_2285	YOL122C
YOL121C; DI49_4447; DI49_4446; DI49_2286	DI49_4447; DI49_4446; DI49_2286	YOL121C
SPGP0X00460; YOL120C; YNL301C		YOL120C; YNL301C
YOL119C; DI49_2287; YOL117W; DI49_2288	DI49_2287; DI49_2288	YOL119C; YOL117W
YOL115W; DI49_2290; YOL114C; DI49_2291	DI49_2290; DI49_2291	YOL115W; YOL114C
YOL112W; YOL113W		YOL112W; YOL113W
YOL110W; DI49_2295; YOL109W; DI49_2296	DI49_2295; DI49_2296	YOL110W; YOL109W
YOL108C; SPGP0TVtrna20G; SPGP0OEtrna14G; DI49_4461; DI49_2298; SPGP0Dtrna15G; DI49_2107	DI49_4461; DI49_2298; DI49_2107	YOL108C
DI49_3379; YOL107W	DI49_3379	YOL107W
DI49_4619; DI49_4620	DI49_4619; DI49_4620	
DI49_4617; DI49_4618	DI49_4617; DI49_4618	
DI49_4615; DI49_4616	DI49_4615; DI49_4616	
DI49_4613; DI49_4614	DI49_4613; DI49_4614	
DI49_2201; DI49_4612	DI49_2201; DI49_4612	
DI49_3739; DI49_3738	DI49_3739; DI49_3738	
SPGP0IVtrna9L; SPGP0VRtrna22L; DI49_3805	DI49_3805	
SPGP0IVtrna10L; DI49_3110; DI49_3109; YJR100C	DI49_3110; DI49_3109	
DI49_3744; SPGP0IVtrna6I	DI49_3744	
DI49_4035; YML056C	DI49_4035	
DI49_4034; SPGP0IW00120	DI49_4034	
DI49_3387; DI49_3388	DI49_3387; DI49_3388	
YGL242C; YGL241W		YGL242C; YGL241W
YGL244W; YGL243W		YGL244W; YGL243W

YGL246C; YGL245W			YGL246C; YGL245W
YGL248W; YGL247W			YGL248W; YGL247W
YGL250W; YGL249W			YGL250W; YGL249W
YGL252C; YGL251C			YGL252C; YGL251C
YGL254W; YGL253W			YGL254W; YGL253W
YGL256W; YGL255W			YGL256W; YGL255W
DI49_1415; DI49_1414	DI49_1415; DI49_1414		
DI49_1417; DI49_1416	DI49_1417; DI49_1416		
DI49_1419; DI49_1418	DI49_1419; DI49_1418		
DI49_0785; YCR033W	DI49_0785		YCR033W
DI49_0786; YCR034W	DI49_0786		YCR034W
DI49_0787; YCR035C; DI49_0788; YCR036W	DI49_0787; DI49_0788		YCR035C; YCR036W
DI49_0789; SPGP0JA00150	DI49_0789	SPGP0JA00150	
YNL012W; SPGP0JC00100		SPGP0JC00100	YNL012W
DI49_4725; DI49_4724	DI49_4725; DI49_4724		
DI49_2821; DI49_0731	DI49_2821; DI49_0731		
DI49_2057; DI49_2056	DI49_2057; DI49_2056		
DI49_2059; DI49_2058	DI49_2059; DI49_2058		
DI49_2061; DI49_2060	DI49_2061; DI49_2060		
DI49_2063; DI49_2062	DI49_2063; DI49_2062		
DI49_2065; DI49_2064	DI49_2065; DI49_2064		
SPGP0JFtrna1C; DI49_5400; DI49_2071;	DI49_5400; DI49_2071; DI49_5401	SPGP0JFtrna1C; SPGP0SUTrna2C	
SPGP0SUTrna2C; DI49_5401			
DI49_2073; DI49_2072	DI49_2073; DI49_2072		
DI49_2075; DI49_2074	DI49_2075; DI49_2074		
SPGP0JF00280; SPGP0OT00170; YPL281C		SPGP0JF00280; SPGP0OT00170	YPL281C
DI49_5370; DI49_5371	DI49_5370; DI49_5371		
DI49_5368; DI49_5369	DI49_5368; DI49_5369		
DI49_2214; DI49_5367	DI49_2214; DI49_5367		
DI49_2212; DI49_2213	DI49_2212; DI49_2213		
DI49_5499; DI49_5498	DI49_5499; DI49_5498		
DI49_5501; DI49_5500	DI49_5501; DI49_5500		
DI49_5504; DI49_1714	DI49_5504; DI49_1714		
DI49_5506; DI49_5505	DI49_5506; DI49_5505		
DI49_5508; DI49_5507	DI49_5508; DI49_5507		
DI49_5510; DI49_5509	DI49_5510; DI49_5509		
DI49_5512; DI49_5511	DI49_5512; DI49_5511		
DI49_5514; DI49_5513	DI49_5514; DI49_5513		
DI49_0726; YCL029C; YCL028W	DI49_0726		YCL029C; YCL028W
DI49_0725; YCL030C	DI49_0725		YCL030C
DI49_0724; YCL031C	DI49_0724		YCL031C

DI49_0723; YCL032W; DI49_0722	DI49_0723; DI49_0722		YCL032W
DI49_0720; DI49_0721	DI49_0720; DI49_0721		
DI49_5274; SPGP0JO00170; YCL036W; YCL035C	DI49_5274	SPGP0JO00170	YCL036W; YCL035C
DI49_5276; DI49_5275	DI49_5276; DI49_5275		
DI49_5278; DI49_5277	DI49_5278; DI49_5277		
DI49_5280; DI49_5279	DI49_5280; DI49_5279		
DI49_5282; DI49_5281	DI49_5282; DI49_5281		
DI49_5284; DI49_5283	DI49_5284; DI49_5283		
DI49_5286; DI49_5285	DI49_5286; DI49_5285		
DI49_5463; DI49_2204	DI49_5463; DI49_2204		
DI49_5461; DI49_5462	DI49_5461; DI49_5462		
DI49_5459; DI49_5460	DI49_5459; DI49_5460		
DI49_3424; SPGP0AA00100	DI49_3424	SPGP0AA00100	
DI49_3422; DI49_3423	DI49_3422; DI49_3423		
DI49_3420; DI49_3421	DI49_3420; DI49_3421		
DI49_3418; DI49_3419	DI49_3418; DI49_3419		
DI49_3416; DI49_3417	DI49_3416; DI49_3417		
DI49_3414; DI49_3415	DI49_3414; DI49_3415		
DI49_3308; DI49_3307	DI49_3308; DI49_3307		
DI49_3310; DI49_3309	DI49_3310; DI49_3309		
DI49_3312; DI49_3311	DI49_3312; DI49_3311		
DI49_3314; DI49_3313	DI49_3314; DI49_3313		
DI49_3316; DI49_3315	DI49_3316; DI49_3315		
DI49_3318; DI49_3317	DI49_3318; DI49_3317		
DI49_5265; DI49_5264	DI49_5265; DI49_5264		
DI49_0795; DI49_1659	DI49_0795; DI49_1659		
DI49_0793; DI49_0794	DI49_0793; DI49_0794		
DI49_1971; DI49_0792	DI49_1971; DI49_0792		
DI49_3453; DI49_1970	DI49_3453; DI49_1970		
DI49_3455; DI49_3454	DI49_3455; DI49_3454		
DI49_3457; DI49_3456	DI49_3457; DI49_3456		
DI49_3459; DI49_3458	DI49_3459; DI49_3458		
DI49_3461; DI49_3460	DI49_3461; DI49_3460		
DI49_4560; DI49_4561	DI49_4560; DI49_4561		
DI49_5466; SPGP0KF00100	DI49_5466	SPGP0KF00100	
DI49_1352; DI49_1351	DI49_1352; DI49_1351		
DI49_1354; YJR048W; DI49_1355	DI49_1354; DI49_1355		YJR048W
DI49_1357; DI49_1356	DI49_1357; DI49_1356		
DI49_3954; SPGP0KI00100; YBR012C	DI49_3954	SPGP0KI00100	YBR012C
DI49_3445; SPGP0KJ00100	DI49_3445	SPGP0KJ00100	

DI49_3440; DI49_3441	DI49_3440; DI49_3441		
DI49_3438; DI49_3439	DI49_3438; DI49_3439		
DI49_3436; DI49_3437	DI49_3436; DI49_3437		
SPGP0KL00200; DI49_3435	DI49_3435	SPGP0KL00200	
DI49_3433; DI49_3434	DI49_3433; DI49_3434		
DI49_1967; DI49_3432	DI49_1967; DI49_3432		
YLL021W; SPGP0KM00110		SPGP0KM00110	YLL021W
DI49_3511; DI49_3510	DI49_3511; DI49_3510		
YHL044W; SPGP0B00100		SPGP0B00100	YHL044W
YHL040C; YHL043W			YHL040C; YHL043W
YHL038C; YHL039W			YHL038C; YHL039W
YHL035C; YHL036W			YHL035C; YHL036W
YHL026C; YHL027W			YHL026C; YHL027W
YHL012W; YHL013C			YHL012W; YHL013C
YHR005C-A; YHR005C			YHR005C-A; YHR005C
YHR015W; DI49_2422	DI49_2422		YHR015W
YHR016C; DI49_2423	DI49_2423		YHR016C
YHR017W; DI49_2424	DI49_2424		YHR017W
YHR018C; DI49_2425	DI49_2425		YHR018C
YHR019C; DI49_2426	DI49_2426		YHR019C
YHR020W; DI49_2427	DI49_2427		YHR020W
YHR021C; SPGP0D01800; YHR022C		SPGP0D01800	YHR021C; YHR022C
YHR024C; YHR023W; DI49_2429; DI49_2430	DI49_2429; DI49_2430		YHR024C; YHR023W
YHR026W; DI49_2432	DI49_2432		YHR026W
YHR027C; DI49_2433	DI49_2433		YHR027C
YHR028C; DI49_2434; YHR029C	DI49_2434		YHR028C; YHR029C
YHR031C; YHR030C; DI49_2436	DI49_2436		YHR031C; YHR030C
YHR033W; DI49_2439; YHR034C; DI49_2440	DI49_2439; DI49_2440		YHR033W; YHR034C
YHR036W; DI49_2442	DI49_2442		YHR036W
YHR037W; DI49_2443; YHR038W; DI49_2444	DI49_2443; DI49_2444		YHR037W; YHR038W
YHR039C-A; SPGP0D01980		SPGP0D01980	YHR039C-A
YHR040W; DI49_2446; YHR041C; DI49_2447	DI49_2446; DI49_2447		YHR040W; YHR041C
YHR044C; YHR042W			YHR044C; YHR042W
YHR046C; YHR045W			YHR046C; YHR045W
YHR048W; YHR047C			YHR048W; YHR047C
YHR050W; YHR049W			YHR050W; YHR049W
YHR052W; DI49_2457; YHR055C; DI49_2458	DI49_2457; DI49_2458		YHR052W; YHR055C
YHR057C; YHR056C			YHR057C; YHR056C
YHR059W; DI49_2462; YHR060W; DI49_2463	DI49_2462; DI49_2463		YHR059W; YHR060W
YHR062C; YHR061C			YHR062C; YHR061C

YHR064C; DI49_2467	DI49_2467	YHR064C
YHR065C; DI49_2468	DI49_2468	YHR065C
YHR069C; DI49_2472; YHR070W	DI49_2472	YHR069C; YHR070W
SPGP0Btrna3F; SPGP0Btrna4F; YHR072W; YHR126C		YHR072W; YHR126C
YHR073W; YHR072W-A		YHR073W; YHR072W-A
YHR075C; DI49_2480; YHR076W; DI49_2481	DI49_2480; DI49_2481	YHR075C; YHR076W
YHR078W; YHR077C; DI49_2483; DI49_2484	DI49_2483; DI49_2484	YHR078W; YHR077C
YHR079C-A; YHR079C		YHR079C-A; YHR079C
YHR081W; YHR080C		YHR081W; YHR080C
YHR083W; YHR082C		YHR083W; YHR082C
YHR085W; YHR084W; DI49_2492	DI49_2492	YHR085W; YHR084W
YHR087W; DI49_2494; YHR088W; DI49_2495	DI49_2494; DI49_2495	YHR087W; YHR088W
YHR090C; DI49_2497; YHR091C; DI49_2498	DI49_2497; DI49_2498	YHR090C; YHR091C
YHR093W; YHR092C; SPGP0D02520; YJL214W		YHR093W; YHR092C; YJL214W
YHR096C; YHR094C; YHR097C; DI49_2500; DI49_2501; DI49_2502; YDR345C; DI49_0523	DI49_2500; DI49_2501; DI49_2502; DI49_0523	YHR096C; YHR094C; YHR097C; YDR345C
YHR098C; DI49_2503	DI49_2503	YHR098C
YHR099W; DI49_2504; YHR100C; DI49_2505	DI49_2504; DI49_2505	YHR099W; YHR100C
YHR102W; DI49_2507; YHR103W; DI49_2508	DI49_2507; DI49_2508	YHR102W; YHR103W
YHR105W; YHR104W		YHR105W; YHR104W
YHR107C; DI49_2512; YHR108W; DI49_2513	DI49_2512; DI49_2513	YHR107C; YHR108W
YHR110W; YHR109W		YHR110W; YHR109W
YHR112C; YHR111W		YHR112C; YHR111W
YHR114W; DI49_2519; YHR115C; DI49_2520	DI49_2519; DI49_2520	YHR114W; YHR115C
YHR117W; YHR116W		YHR117W; YHR116W
YHR119W; DI49_2524; YHR120W; DI49_2525	DI49_2524; DI49_2525	YHR119W; YHR120W
YHR122W; YHR121W		YHR122W; YHR121W
YHR124W; DI49_2528	DI49_2528	YHR124W
YHR128W; DI49_2532	DI49_2532	YHR128W
YHR129C; DI49_2533; YHR131C; DI49_2534	DI49_2533; DI49_2534	YHR129C; YHR131C
YHR132W-A; DI49_2536; YHR133C; DI49_2537	DI49_2536; DI49_2537	YHR132W-A; YHR133C
YHR135C; YHR134W		YHR135C; YHR134W
YHR137W; YHR136C		YHR137W; YHR136C
YHR139C; YHR138C		YHR139C; YHR138C
YHR141C; SPGP0D02990; DI49_4575; DI49_4574	DI49_4575; DI49_4574	YHR141C
YHR142W; DI49_2544; YHR143W; DI49_2545	DI49_2544; DI49_2545	YHR142W; YHR143W
YHR144C; YHR143W-A		YHR144C; YHR143W-A
YHR146W; SPGP0Btrna6P		YHR146W
YHR148W; DI49_2551	DI49_2551	YHR148W
YHR149C; DI49_2552; YHR150W; DI49_2553	DI49_2552; DI49_2553	YHR149C; YHR150W

YHR152W; YHR151C			YHR152W; YHR151C
YHR154W; DI49_2557	DI49_2557		YHR154W
YHR155W; DI49_2558; YHR156C; DI49_2559	DI49_2558; DI49_2559		YHR155W; YHR156C
YHR158C; YHR157W			YHR158C; YHR157W
YHR160C; YHR159W			YHR160C; YHR159W
YHR162W; YHR161C			YHR162W; YHR161C
YHR164C; DI49_2567; DI49_2568	DI49_2567; DI49_2568		YHR164C
YHR165C; DI49_2569	DI49_2569		YHR165C
YHR166C; DI49_2570; YHR167W; DI49_2571	DI49_2570; DI49_2571		YHR166C; YHR167W
YHR169W; DI49_2573	DI49_2573		YHR169W
YHR170W; DI49_2574; YHR171W; DI49_2575	DI49_2574; DI49_2575		YHR170W; YHR171W
YHR173C; YHR172W			YHR173C; YHR172W
YHR175W; YHR174W			YHR175W; YHR174W
YHR177W; YHR176W			YHR177W; YHR176W
YHR179W; DI49_2581; YHR180W	DI49_2581		YHR179W; YHR180W
YHR181W; DI49_2583; YHR182W; DI49_2584	DI49_2583; DI49_2584		YHR181W; YHR182W
YHR184W; YHR183W			YHR184W; YHR183W
YHR186C; DI49_2589; YHR187W; DI49_2590	DI49_2589; DI49_2590		YHR186C; YHR187W
YHR189W; YHR188C			YHR189W; YHR188C
YHR191C; YHR190W			YHR191C; YHR190W
YHR193C; DI49_2596	DI49_2596		YHR193C
YHR194W; DI49_2597; YHR195W; DI49_2598	DI49_2597; DI49_2598		YHR194W; YHR195W
YHR197W; DI49_2600; YHR198C; DI49_2601	DI49_2600; DI49_2601		YHR197W; YHR198C
YHR199C-A; YHR199C			YHR199C-A; YHR199C
YHR201C; YHR200W			YHR201C; YHR200W
SPGP0B02550; SPGP0I00100; DI49_3664; YJR144W	DI49_3664	SPGP0B02550; SPGP0I00100	YJR144W
DI49_3668; DI49_3667	DI49_3668; DI49_3667		
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DI49_3672; DI49_3671	DI49_3672; DI49_3671		
DI49_3674; DI49_3673	DI49_3674; DI49_3673		
DI49_3676; DI49_3675	DI49_3676; DI49_3675		
DI49_3678; DI49_3677	DI49_3678; DI49_3677		
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DI49_3558; DI49_4210; DI49_3557; YMR121C; YMR122W-A	DI49_3558; DI49_4210; DI49_3557		YMR121C; YMR122W-A
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DI49_0583; DI49_0584	DI49_0583; DI49_0584		
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DI49_0581; YDR406W	DI49_0581		YDR406W
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DI49_0569; DI49_0570	DI49_0569; DI49_0570		
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DI49_3168; DI49_3167	DI49_3168; DI49_3167		
YKL215C; DI49_3169	DI49_3169		YKL215C
DI49_3171; DI49_3170	DI49_3171; DI49_3170		
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DI49_3175; DI49_3174	DI49_3175; DI49_3174		
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SPGP0LGtrna8Q; DI49_1374; DI49_1375	DI49_1374; DI49_1375	SPGP0LGtrna8Q	
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DI49_3405; DI49_3406	DI49_3405; DI49_3406		

DI49_3403; DI49_3404 DI49_3401; DI49_3402 YAL032C; YAL031C	DI49_3403; DI49_3404 DI49_3401; DI49_3402	YAL032C; YAL031C
DI49_0564; DI49_0563 DI49_0837; DI49_0836 DI49_2140; SPGP0MVtrna13G; SPGP0LPtrna11G; DI49_5594	DI49_0564; DI49_0563 DI49_0837; DI49_0836 DI49_2140; DI49_5594	SPGP0MVtrna13G; SPGP0LPtrna11G
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DI49_1343; DI49_1342 DI49_1345; DI49_3566; DI49_1346; DI49_3565; DI49_3506; DI49_1411 DI49_5585; DI49_5584 DI49_5590; DI49_5589; DI49_2086 DI49_5592; DI49_5591 DI49_5398; SPGP0LZ00100 SPGP0AG00110; DI49_5680	DI49_1343; DI49_1342 DI49_1345; DI49_3566; DI49_1346; DI49_3565; DI49_3506; DI49_1411 DI49_5585; DI49_5584 DI49_5590; DI49_5589; DI49_2086 DI49_5592; DI49_5591 DI49_5398 DI49_5680	SPGP0LZ00100 SPGP0AG00110
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YGL231C; YGL232W		YGL231C; YGL232W
YGL229C; YGL230C		YGL229C; YGL230C
YGL227W; YGL228W		YGL227W; YGL228W
YGL226W; YGL226C-A		YGL226W; YGL226C-A
YGL223C; YGL224C		YGL223C; YGL224C
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DI49_1815; DI49_1814	DI49_1815; DI49_1814	
DI49_1817; DI49_1816	DI49_1817; DI49_1816	
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SPGP0MK00130; SPGP0MK00120		SPGP0MK00130; SPGP0MK00120
DI49_4753; DI49_4752	DI49_4753; DI49_4752	
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DI49_2007; YAL054C	DI49_2007	YAL054C
DI49_5532; DI49_5531	DI49_5532; DI49_5531	
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DI49_5549; DI49_5548	DI49_5549; DI49_5548	
DI49_5551; DI49_5550	DI49_5551; DI49_5550	
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DI49_1488; DI49_5561	DI49_1488; DI49_5561		
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DI49_5578; DI49_5577	DI49_5578; DI49_5577		
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DI49_1514; DI49_1515	DI49_1514; DI49_1515		
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DI49_0548; DI49_0547	DI49_0548; DI49_0547		
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DI49_0554; DI49_0553	DI49_0554; DI49_0553		
DI49_0555; SPGP0NI00190	DI49_0555	SPGP0NI00190	
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DI49_0559; DI49_0558	DI49_0559; DI49_0558		
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SPGP0OI00250

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DI49_5311; DI49_5312	DI49_5311; DI49_5312		
DI49_5309; DI49_5310	DI49_5309; DI49_5310		
DI49_5307; DI49_5308	DI49_5307; DI49_5308		
DI49_5305; DI49_5306	DI49_5305; DI49_5306		
DI49_5303; DI49_5304	DI49_5303; DI49_5304		
DI49_5301; DI49_5302	DI49_5301; DI49_5302		
DI49_5299; DI49_5300	DI49_5299; DI49_5300		
DI49_5297; DI49_5298	DI49_5297; DI49_5298		
DI49_5295; DI49_5296	DI49_5295; DI49_5296		
DI49_4393; SPGP0AM00100; SPGP0WL00100	DI49_4393	SPGP0AM00100; SPGP0WL00100	
DI49_4391; YMR304W	DI49_4391		YMR304W
DI49_4390; DI49_2320; DI49_2321; YMR303C	DI49_4390; DI49_2320; DI49_2321		YMR303C
DI49_4389; YMR302C	DI49_4389		YMR302C
DI49_4388; YMR301C	DI49_4388		YMR301C
DI49_4387; YMR300C; DI49_4386	DI49_4387; DI49_4386		YMR300C
DI49_4384; YMR297W; DI49_4383	DI49_4384; DI49_4383		YMR297W
DI49_4381; DI49_4382	DI49_4381; DI49_4382		
DI49_4379; DI49_4380	DI49_4379; DI49_4380		
DI49_4377; YMR290C; DI49_4376	DI49_4377; DI49_4376		YMR290C
DI49_4374; YMR287C; DI49_4373	DI49_4374; DI49_4373		YMR287C
DI49_4371; DI49_4372	DI49_4371; DI49_4372		
DI49_4367; DI49_4368	DI49_4367; DI49_4368		
DI49_4365; DI49_4366	DI49_4365; DI49_4366		
DI49_4363; DI49_4364; YMR278W; YMR279C	DI49_4363; DI49_4364		YMR278W; YMR279C
DI49_4361; YMR275C; DI49_4360; YMR276W	DI49_4361; DI49_4360		YMR275C; YMR276W
DI49_4358; YMR272C; YMR273C	DI49_4358		YMR272C; YMR273C
DI49_4357; SPGP0Htrna17Q; SPGP0C00450	DI49_4357	SPGP0Htrna17Q; SPGP0C00450	
DI49_4355; DI49_4356	DI49_4355; DI49_4356		
DI49_4353; YMR269W; DI49_4352; YMR270C	DI49_4353; DI49_4352		YMR269W; YMR270C
DI49_4350; DI49_4351	DI49_4350; DI49_4351		
DI49_4348; YMR264W; DI49_4347	DI49_4348; DI49_4347		YMR264W
DI49_4345; YMR261C; YMR262W	DI49_4345		YMR261C; YMR262W
DI49_4344; YMR260C; DI49_4343	DI49_4344; DI49_4343		YMR260C
DI49_4341; YMR257C; YMR258C	DI49_4341		YMR257C; YMR258C
DI49_4340; YMR256C; DI49_4339	DI49_4340; DI49_4339		YMR256C

DI49_4337; DI49_4338; YMR253C; YMR255W	DI49_4337; DI49_4338	YMR253C; YMR255W
DI49_4335; DI49_4336	DI49_4335; DI49_4336	
DI49_4330; DI49_4331; YMR246W; YMR247C	DI49_4330; DI49_4331	YMR246W; YMR247C
DI49_4328; YMR243C; YMR244W	DI49_4328	YMR243C; YMR244W
DI49_4326; YMR241W; DI49_4325	DI49_4326; DI49_4325	YMR241W
DI49_4322; YMR238W	DI49_4322	YMR238W
DI49_4321; YMR237W; DI49_4320	DI49_4321; DI49_4320	YMR237W
DI49_4318; YMR234W; DI49_4317; YMR235C	DI49_4318; DI49_4317	YMR234W; YMR235C
DI49_4315; YMR231W	DI49_4315	YMR231W
DI49_4313; YMR229C	DI49_4313	YMR229C
DI49_4312; YMR228W	DI49_4312	YMR228W
DI49_4311; YMR227C	DI49_4311	YMR227C
DI49_4310; YMR226C; DI49_4309	DI49_4310; DI49_4309	YMR226C
DI49_4307; DI49_4308; YMR224C; YMR225C	DI49_4307; DI49_4308	YMR224C; YMR225C
DI49_4305; YMR221C; YMR222C	DI49_4305	YMR221C; YMR222C
DI49_4304; YMR220W; DI49_4303	DI49_4304; DI49_4303	YMR220W
DI49_4301; YMR217W; YMR218C	DI49_4301	YMR217W; YMR218C
DI49_4300; YMR216C; DI49_4299	DI49_4300; DI49_4299	YMR216C
DI49_4297; DI49_4298	DI49_4297; DI49_4298	
DI49_4295; DI49_4296	DI49_4295; DI49_4296	
DI49_4293; DI49_4294	DI49_4293; DI49_4294	
DI49_4291; YMR207C; DI49_4290	DI49_4291; DI49_4290	YMR207C
DI49_4288; YMR204C	DI49_4288	YMR204C
DI49_4287; YMR203W	DI49_4287	YMR203W
DI49_4286; YMR202W; DI49_4285	DI49_4286; DI49_4285	YMR202W
DI49_4283; YMR199W; DI49_4282; YMR200W	DI49_4283; DI49_4282	YMR199W; YMR200W
DI49_4280; YMR196W; DI49_4279	DI49_4280; DI49_4279	YMR196W
DI49_4277; YMR194W; DI49_4276; YMR194C-B	DI49_4277; DI49_4276	YMR194W; YMR194C-B
DI49_4274; DI49_4275	DI49_4274; DI49_4275	
DI49_4272; YMR189W; DI49_4271	DI49_4272; DI49_4271	YMR189W
DI49_4269; SPGP0UV00150; DI49_5230; YMR186W	DI49_4269; DI49_5230	YMR186W
DI49_4268; YMR185W; DI49_4267	DI49_4268; DI49_4267	YMR185W
DI49_4265; DI49_4266	DI49_4265; DI49_4266	
DI49_4263; DI49_4264	DI49_4263; DI49_4264	
DI49_4261; DI49_4262	DI49_4261; DI49_4262	
DI49_4259; YMR176W; SPGP0C01420	DI49_4259	YMR176W
DI49_4257; DI49_4258	DI49_4257; DI49_4258	
DI49_4255; YMR171C; YMR172W	DI49_4255	YMR171C; YMR172W
DI49_4254; DI49_4253; DI49_4252	DI49_4254; DI49_4253; DI49_4252	
DI49_4250; YMR166C; YMR167W	DI49_4250	YMR166C; YMR167W

DI49_4249; YMR165C; SPGP0C01530	DI49_4249	SPGP0C01530	YMR165C
DI49_4245; YMR161W; DI49_4244	DI49_4245; DI49_4244		YMR161W
DI49_4240; DI49_4241	DI49_4240; DI49_4241		
DI49_4238; DI49_4239	DI49_4238; DI49_4239		
DI49_4236; DI49_4237	DI49_4236; DI49_4237		
DI49_4234; DI49_4235	DI49_4234; DI49_4235		
DI49_4232; DI49_4233	DI49_4232; DI49_4233		
DI49_4230; YMR145C	DI49_4230		YMR145C
DI49_4229; YMR144W	DI49_4229		YMR144W
SPGP0C01730; YMR143W		SPGP0C01730	YMR143W
DI49_4226; DI49_4227	DI49_4226; DI49_4227		
DI49_4224; DI49_4225	DI49_4224; DI49_4225		
DI49_4222; DI49_4223	DI49_4222; DI49_4223		
DI49_4221; SPGP0C01820	DI49_4221	SPGP0C01820	
DI49_4219; DI49_4220	DI49_4219; DI49_4220		
DI49_4217; YMR128W	DI49_4217		YMR128W
DI49_4216; YMR127C; DI49_4215	DI49_4216; DI49_4215		YMR127C
DI49_4213; YMR124W; DI49_4212	DI49_4213; DI49_4212		YMR124W
DI49_4209; YMR120C; DI49_4208	DI49_4209; DI49_4208		YMR120C
DI49_4206; SPGP0Ctrna12L	DI49_4206	SPGP0Ctrna12L	
SPGP0C01990; YMR116C; YMR117C		SPGP0C01990	YMR116C; YMR117C
SPGP0C02000; YMR115W		SPGP0C02000	YMR115W
DI49_4203; YMR114C	DI49_4203		YMR114C
DI49_4202; YMR113W; DI49_4201	DI49_4202; DI49_4201		YMR113W
DI49_4199; DI49_4200	DI49_4199; DI49_4200		
DI49_4197; DI49_4198; YMR109W; YMR110C	DI49_4197; DI49_4198		YMR109W; YMR110C
DI49_4192; DI49_4193	DI49_4192; DI49_4193		
DI49_4190; YMR101C; DI49_4189	DI49_4190; DI49_4189		YMR101C
DI49_4186; YMR098C; DI49_4185	DI49_4186; DI49_4185		YMR098C
DI49_4183; DI49_4184	DI49_4183; DI49_4184		
DI49_4181; YMR093W; DI49_4180	DI49_4181; DI49_4180		YMR093W
DI49_4178; DI49_2707	DI49_4178; DI49_2707		
DI49_4177; YMR089C; YMR090W	DI49_4177		YMR089C; YMR090W
DI49_4176; YMR088C; DI49_4175	DI49_4176; DI49_4175		YMR088C
DI49_4173; YMR085W	DI49_4173		YMR085W
DI49_4172; YMR083W; DI49_4171	DI49_4172; DI49_4171		YMR083W
DI49_4169; DI49_4170	DI49_4169; DI49_4170		
DI49_4167; DI49_4168	DI49_4167; DI49_4168		
DI49_4165; YMR076C	DI49_4165		YMR076C
DI49_4164; YMR075W; DI49_4163	DI49_4164; DI49_4163		YMR075W

DI49_4161; DI49_4162	DI49_4161; DI49_4162	
DI49_4159; DI49_4160; YMR071C; YMR072W	DI49_4159; DI49_4160	YMR071C; YMR072W
DI49_4157; YMR068W; DI49_4156; YMR069W	DI49_4157; DI49_4156	YMR068W; YMR069W
DI49_4154; YMR065W; DI49_4153; YMR066W	DI49_4154; DI49_4153	YMR065W; YMR066W
DI49_4151; DI49_4152	DI49_4151; DI49_4152	
DI49_4149; DI49_4150; YMR061W; YMR062C	DI49_4149; DI49_4150	YMR061W; YMR062C
DI49_4147; YMR058W; YMR059W	DI49_4147	YMR058W; YMR059W
DI49_4146; YMR056C; DI49_4145	DI49_4146; DI49_4145	YMR056C
DI49_4143; YMR053C; DI49_4142	DI49_4143; DI49_4142	YMR053C
DI49_4140; DI49_3481; SPGP0C02610; SPGP0QK00160	DI49_4140; DI49_3481	SPGP0C02610; SPGP0QK00160
DI49_4136; DI49_4137	DI49_4136; DI49_4137	
DI49_4131; DI49_4132	DI49_4131; DI49_4132	
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DI49_4127; DI49_4128	DI49_4127; DI49_4128	
DI49_4125; DI49_4126	DI49_4125; DI49_4126	
DI49_4123; DI49_4124	DI49_4123; DI49_4124	
DI49_4121; DI49_4122	DI49_4121; DI49_4122	
DI49_4119; DI49_4120	DI49_4119; DI49_4120	
DI49_4117; DI49_4118; YMR030W; YMR031C	DI49_4117; DI49_4118	YMR030W; YMR031C
DI49_4115; YMR027W; DI49_4114; YMR028W	DI49_4115; DI49_4114	YMR027W; YMR028W
DI49_4112; YMR024W; YMR025W	DI49_4112	YMR024W; YMR025W
DI49_4108; YMR021C; YMR022W	DI49_4108	YMR021C; YMR022W
DI49_4107; YMR020W; DI49_4106	DI49_4107; DI49_4106	YMR020W
DI49_4104; DI49_4105	DI49_4104; DI49_4105	
DI49_4102; YMR015C; YMR016C	DI49_4102	YMR015C; YMR016C
DI49_4101; YMR014W	DI49_4101	YMR014W
DI49_4100; YMR013C	DI49_4100	YMR013C
DI49_4099; YMR012W	DI49_4099	YMR012W
SPGP0C03000; YMR011W		YMR011W
DI49_4097; YMR010W; DI49_4096	DI49_4097; DI49_4096	YMR010W
DI49_4094; YMR006C; DI49_4093; YMR007W	DI49_4094; DI49_4093	YMR006C; YMR007W
DI49_4091; DI49_4092	DI49_4091; DI49_4092	
DI49_4089; YMR001C	DI49_4089	YMR001C
DI49_4088; YML001W	DI49_4088	YML001W
DI49_4087; YML002W	DI49_4087	YML002W
DI49_4086; YML004C	DI49_4086	YML004C
DI49_4085; YML005W	DI49_4085	YML005W
DI49_4083; YML006C	DI49_4083	YML006C
DI49_4082; YML007W	DI49_4082	YML007W
DI49_4081; YML008C	DI49_4081	YML008C



DI49_4080; YML009C	DI49_4080	YML009C
DI49_4079; YML010W; DI49_4078	DI49_4079; DI49_4078	YML010W
DI49_4076; DI49_4077	DI49_4076; DI49_4077	
DI49_4074; DI49_4075	DI49_4074; DI49_4075	
DI49_4072; DI49_4073	DI49_4072; DI49_4073	
DI49_4070; DI49_4071	DI49_4070; DI49_4071	
DI49_4068; YML021C; DI49_4067	DI49_4068; DI49_4067	YML021C
SPGP0C03320; DI49_0614; DI49_4064; DI49_0615	DI49_0614; DI49_4064; DI49_0615	SPGP0C03320
DI49_4062; YML026C; DI49_0617; DI49_0618	DI49_4062; DI49_0617; DI49_0618	YML026C
DI49_4060; DI49_4061; YML028W; YML027W	DI49_4060; DI49_4061	YML028W; YML027W
DI49_4058; YML031W; YML030W	DI49_4058	YML031W; YML030W
DI49_4057; YML032C	DI49_4057	YML032C
SPGP0C03410; YML034W		YML034W
DI49_4055; YML035C; DI49_4054	DI49_4055; DI49_4054	YML035C
DI49_4052; YML038C; YML037C	DI49_4052	YML038C; YML037C
DI49_4050; YML041C	DI49_4050	YML041C
DI49_4049; YML042W; DI49_4048	DI49_4049; DI49_4048	YML042W
DI49_4044; YML048W; SPGP0C03520; YML047C	DI49_4044	YML048W; YML047C
DI49_4041; YML051W; YML050W	DI49_4041	YML051W; YML050W
SPGP0OK00100; DI49_4786	DI49_4786	SPGP0OK00100
DI49_4727; DI49_4726	DI49_4727; DI49_4726	
DI49_4729; DI49_4728	DI49_4729; DI49_4728	
DI49_2034; DI49_2035	DI49_2034; DI49_2035	
DI49_2032; DI49_2033	DI49_2032; DI49_2033	
DI49_2030; DI49_2031	DI49_2030; DI49_2031	
SPGP0OM00100; DI49_2029	DI49_2029	SPGP0OM00100
SPGP0OM00120; DI49_5379	DI49_5379	SPGP0OM00120
YAR033W; DI49_2252	DI49_2252	YAR033W
YAR029W; YAR031W		YAR029W; YAR031W
YAR028W; YAR027W		YAR028W; YAR027W
SPGP0OPtrna15S; SPGP0ltrna30S; SPGP0Ftrna24S; YBL005W; SPGP0Htrna29S; SPGP0I01060		SPGP0OPtrna15S; SPGP0ltrna30S; SPGP0Ftrna24S; SPGP0Htrna29S; SPGP0I01060
SPGP0OPtrna16L; DI49_1927; SPGP0BGtrna21L; YMR119W	DI49_1927	YMR119W
DI49_5255; DI49_5254	DI49_5255; DI49_5254	
DI49_5257; DI49_5256	DI49_5257; DI49_5256	
DI49_5259; DI49_5258	DI49_5259; DI49_5258	
DI49_5261; DI49_5260	DI49_5261; DI49_5260	
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SPGP0OS00110; DI49_4797	DI49_4797	SPGP0OS00110
DI49_5570; DI49_5569	DI49_5570; DI49_5569	

DI49_5572; DI49_5571	DI49_5572; DI49_5571		
DI49_5574; DI49_5573	DI49_5574; DI49_5573		
DI49_4804; YBR093C; SPGP0OV00100	DI49_4804	SPGP0OV00100	YBR093C
DI49_5235; DI49_5234	DI49_5235; DI49_5234		
DI49_5237; DI49_5236	DI49_5237; DI49_5236		
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DI49_2164; DI49_2163	DI49_2164; DI49_2163		
DI49_2166; DI49_2165	DI49_2166; DI49_2165		
DI49_2168; DI49_2167	DI49_2168; DI49_2167		
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DI49_3561; DI49_3562	DI49_3561; DI49_3562		
DI49_1958; DI49_3560	DI49_1958; DI49_3560		
DI49_2111; DI49_2109	DI49_2111; DI49_2109		
DI49_2118; DI49_2117	DI49_2118; DI49_2117		
DI49_2120; DI49_2119	DI49_2120; DI49_2119		
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DI49_5621; DI49_5622	DI49_5621; DI49_5622		
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DI49_4609; DI49_4610	DI49_4609; DI49_4610		
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DI49_4600; DI49_4601	DI49_4600; DI49_4601		
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DI49_4596; DI49_4597	DI49_4596; DI49_4597		
DI49_4594; DI49_4595	DI49_4594; DI49_4595		
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DI49_5496; DI49_5495	DI49_5496; DI49_5495		
DI49_5432; DI49_5497	DI49_5432; DI49_5497		
DI49_0728; DI49_0729	DI49_0728; DI49_0729		
DI49_0601; DI49_0727	DI49_0601; DI49_0727		
SPGP0PV00110; DI49_5406	DI49_5406	SPGP0PV00110	
DI49_5408; DI49_5407	DI49_5408; DI49_5407		
DI49_1984; SPGP0PW00100	DI49_1984	SPGP0PW00100	
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DI49_2197; DI49_2198	DI49_2197; DI49_2198		
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DI49_2192; DI49_2194	DI49_2192; DI49_2194		
YGR225W; DI49_2191	DI49_2191		YGR225W
DI49_2189; DI49_2190	DI49_2189; DI49_2190		
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DI49_2176; DI49_2177	DI49_2176; DI49_2177		
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DI49_2170; DI49_2171	DI49_2170; DI49_2171		
DI49_2621; DI49_0640	DI49_2621; DI49_0640		
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YGL180W; YGL181W			YGL180W; YGL181W
DI49_0661; YGL179C	DI49_0661		YGL179C
DI49_0663; DI49_0662	DI49_0663; DI49_0662		
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DI49_0668; DI49_0667	DI49_0668; DI49_0667		

YAL049C; YAL048C		YAL049C; YAL048C
YAL053W; YAL051W		YAL053W; YAL051W
DI49_4799; DI49_4800	DI49_4799; DI49_4800	
DI49_3476; DI49_4798	DI49_3476; DI49_4798	
DI49_3478; DI49_3477	DI49_3478; DI49_3477	
DI49_3480; DI49_3479	DI49_3480; DI49_3479	
DI49_1606; DI49_3482; YGL236C	DI49_1606; DI49_3482	YGL236C
YGL238W; YGL237C		YGL238W; YGL237C
DI49_5611; DI49_5612	DI49_5611; DI49_5612	
DI49_5609; DI49_5610	DI49_5609; DI49_5610	
DI49_5607; DI49_5608	DI49_5607; DI49_5608	
DI49_5605; DI49_5606	DI49_5605; DI49_5606	
DI49_5602; DI49_2105; YOR388C	DI49_5602; DI49_2105	YOR388C
YAR015W; DI49_0069	DI49_0069	YAR015W
YAR008W; DI49_0063	DI49_0063	YAR008W
SPGP0QR00110; SPGP0QR00100		SPGP0QR00110; SPGP0QR00100
DI49_0536; DI49_0535	DI49_0536; DI49_0535	
DI49_0538; DI49_0537	DI49_0538; DI49_0537	
DI49_4033; DI49_0539	DI49_4033; DI49_0539	
DI49_5450; DI49_4032	DI49_5450; DI49_4032	
DI49_4029; DI49_4030; DI49_2437	DI49_4029; DI49_4030; DI49_2437	
DI49_4027; DI49_4028	DI49_4027; DI49_4028	
DI49_4025; DI49_4026	DI49_4025; DI49_4026	
DI49_4023; DI49_4024	DI49_4023; DI49_4024	
DI49_4021; DI49_4022	DI49_4021; DI49_4022	
DI49_4016; DI49_2435; DI49_4015	DI49_4016; DI49_2435; DI49_4015	
DI49_1328; DI49_4012	DI49_1328; DI49_4012	
DI49_1330; DI49_1329	DI49_1330; DI49_1329	
DI49_1332; DI49_1331	DI49_1332; DI49_1331	
DI49_1334; DI49_1333	DI49_1334; DI49_1333	
YMR318C; YMR319C		YMR318C; YMR319C
SPGP0QX00130; YMR317W		YMR317W
YMR315W; YMR316W		YMR315W; YMR316W
YMR313C; YMR314W		YMR313C; YMR314W
YMR311C; YMR312W		YMR311C; YMR312W
YMR309C; YMR310C		YMR309C; YMR310C
YMR307W; YMR308C		YMR307W; YMR308C
DI49_5267; YMR306W	DI49_5267	YMR306W
DI49_5270; DI49_5268	DI49_5270; DI49_5268	
DI49_5431; YPL195W	DI49_5431	YPL195W

DI49_5429; DI49_5430	DI49_5429; DI49_5430	
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DI49_1819; DI49_5426	DI49_1819; DI49_5426	
DI49_1823; DI49_1822	DI49_1823; DI49_1822	
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DI49_1837; DI49_1836	DI49_1837; DI49_1836	
DI49_1839; DI49_1838	DI49_1839; DI49_1838	
DI49_3756; DI49_1840	DI49_3756; DI49_1840	
DI49_3492; DI49_3491	DI49_3492; DI49_3491	
DI49_3496; DI49_3495	DI49_3496; DI49_3495	
YAL059W; YAL060W		YAL059W; YAL060W
DI49_3512; DI49_3513	DI49_3512; DI49_3513	
DI49_3586; DI49_3585	DI49_3586; DI49_3585	
DI49_3588; DI49_3587	DI49_3588; DI49_3587	
DI49_3590; DI49_3589	DI49_3590; DI49_3589	
DI49_3592; DI49_3591	DI49_3592; DI49_3591	
DI49_3594; DI49_3593	DI49_3594; DI49_3593	
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DI49_0681; DI49_0682	DI49_0681; DI49_0682	
DI49_0680; SPGP0RK00160	DI49_0680	SPGP0RK00160
DI49_0679; SPGP0RK00180	DI49_0679	SPGP0RK00180
DI49_1974; DI49_1975	DI49_1974; DI49_1975	
YER168C; SPGP0RM00100		SPGP0RM00100 YER168C

YER166W; YER167W			YER166W; YER167W
YER164W; YER165W			YER164W; YER165W
DI49_1573; SPGP0RN00150	DI49_1573	SPGP0RN00150	
DI49_3466; DI49_3465	DI49_3466; DI49_3465		
DI49_3468; DI49_3467	DI49_3468; DI49_3467		
DI49_3470; DI49_3469	DI49_3470; DI49_3469		
SPGP0RQ00200; DI49_3471	DI49_3471	SPGP0RQ00200	
DI49_0635; DI49_3472	DI49_0635; DI49_3472		
DI49_0637; DI49_0636	DI49_0637; DI49_0636		
DI49_0639; DI49_0638	DI49_0639; DI49_0638		
DI49_1554; DI49_1553	DI49_1554; DI49_1553		
DI49_1556; DI49_1555	DI49_1556; DI49_1555		
DI49_1558; DI49_1557	DI49_1558; DI49_1557		
DI49_1562; DI49_1561	DI49_1562; DI49_1561		
DI49_1564; DI49_1563	DI49_1564; DI49_1563		
YER172C; YER173W			YER172C; YER173W
YER170W; YER171W			YER170W; YER171W
DI49_0751; YCR002C	DI49_0751		YCR002C
DI49_0752; YCR003W	DI49_0752		YCR003W
DI49_0753; YCR004C; DI49_0754; YCR005C	DI49_0753; DI49_0754		YCR004C; YCR005C
DI49_2047; DI49_2046	DI49_2047; DI49_2046		
YER176W; DI49_2050	DI49_2050		YER176W
YER174C; YER175C			YER174C; YER175C
DI49_0782; YCR030C	DI49_0782		YCR030C
DI49_2256; DI49_2255	DI49_2256; DI49_2255		
DI49_2264; DI49_2263	DI49_2264; DI49_2263		
DI49_2293; DI49_2292	DI49_2293; DI49_2292		
DI49_2303; DI49_2302	DI49_2303; DI49_2302		
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DI49_2327; DI49_2326	DI49_2327; DI49_2326		
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SPGP0D01140; SPGP0D01130		SPGP0D01140; SPGP0D01130	
DI49_2360; DI49_2359	DI49_2360; DI49_2359		
DI49_2369; DI49_2368	DI49_2369; DI49_2368		
DI49_2371; DI49_2370	DI49_2371; DI49_2370		
DI49_2373; DI49_2372	DI49_2373; DI49_2372		

DI49_2375; SPGP0Dtrna14S	DI49_2375	SPGP0Dtrna14S
DI49_2385; DI49_2384	DI49_2385; DI49_2384	
DI49_2387; DI49_2386	DI49_2387; DI49_2386	
DI49_2395; DI49_2394	DI49_2395; DI49_2394	
DI49_2417; YOR014W	DI49_2417	YOR014W
DI49_2438; YHR032W	DI49_2438	YHR032W
DI49_2449; DI49_2448	DI49_2449; DI49_2448	
DI49_2451; DI49_2450	DI49_2451; DI49_2450	
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DI49_2473; DI49_2883; DI49_2474; YJL141C	DI49_2473; DI49_2883; DI49_2474	YJL141C
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DI49_2490; DI49_2489	DI49_2490; DI49_2489	
DI49_2493; YHR086W	DI49_2493	YHR086W
DI49_2510; DI49_2509	DI49_2510; DI49_2509	
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SPGP0D02950; DI49_2540	DI49_2540	SPGP0D02950
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SPGP0D03320; DI49_2576	DI49_2576	SPGP0D03320
SPGP0D03360; DI49_2579	DI49_2579	SPGP0D03360
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DI49_2605; DI49_2604	DI49_2605; DI49_2604	

DI49_2607; DI49_2606	DI49_2607; DI49_2606		
SPGP0SF00100; SPGP0BN00100; DI49_0610; YHR205W	DI49_0610	SPGP0SF00100; SPGP0BN00100	YHR205W
DI49_0620; DI49_0619	DI49_0620; DI49_0619		
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DI49_0624; DI49_0623	DI49_0624; DI49_0623		
DI49_0626; DI49_0625	DI49_0626; DI49_0625		
DI49_0627; SPGP0SH00260	DI49_0627	SPGP0SH00260	
DI49_0629; DI49_0628	DI49_0629; DI49_0628		
DI49_2028; DI49_4719	DI49_2028; DI49_4719		
DI49_3583; DI49_2027	DI49_3583; DI49_2027		
DI49_3581; DI49_3582	DI49_3581; DI49_3582		
DI49_3579; DI49_3580	DI49_3579; DI49_3580		
DI49_3577; DI49_3578	DI49_3577; DI49_3578		
DI49_3575; SPGP0SL00170	DI49_3575	SPGP0SL00170	
DI49_3573; DI49_3574	DI49_3573; DI49_3574		
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DI49_1718; DI49_1719	DI49_1718; DI49_1719		
DI49_5479; DI49_1717	DI49_5479; DI49_1717		
SPGP0AX00110; SPGP0AX00100		SPGP0AX00110; SPGP0AX00100	
DI49_0603; DI49_0602	DI49_0603; DI49_0602		
DI49_0605; DI49_0604	DI49_0605; DI49_0604		
DI49_0607; DI49_0606	DI49_0607; DI49_0606		
DI49_0609; DI49_0608	DI49_0609; DI49_0608		
YGL192W; YGL194C			YGL192W; YGL194C
YGL190C; YGL191W			YGL190C; YGL191W
YGL185C; YGL186C			YGL185C; YGL186C
DI49_5482; DI49_5483	DI49_5482; DI49_5483		
DI49_5480; DI49_5481	DI49_5480; DI49_5481		
DI49_3647; SPGP0SS00140	DI49_3647	SPGP0SS00140	
DI49_3645; DI49_3646	DI49_3645; DI49_3646		
DI49_3643; DI49_3644	DI49_3643; DI49_3644		
DI49_3641; DI49_3642	DI49_3641; DI49_3642		
DI49_5403; DI49_5402	DI49_5403; DI49_5402		
DI49_5405; DI49_5404	DI49_5405; DI49_5404		
SPGP0SV00110; YCR097W		SPGP0SV00110	YCR097W
DI49_3661; DI49_3662	DI49_3661; DI49_3662		
DI49_3659; DI49_3660	DI49_3659; DI49_3660		



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DI49_3648; DI49_3649	DI49_3648; DI49_3649	
DI49_0695; DI49_1360; DI49_3913	DI49_0695; DI49_1360; DI49_3913	
YAL065C; DI49_3912	DI49_3912	YAL065C
SPGP0TC00100; DI49_1536	DI49_1536	SPGP0TC00100
DI49_4555; DI49_4556	DI49_4555; DI49_4556	
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DI49_4545; DI49_4546	DI49_4545; DI49_4546	
DI49_5294; SPGP0TC00230	DI49_5294	SPGP0TC00230
DI49_4758; DI49_4757	DI49_4758; DI49_4757	
SPGP0TE00130; DI49_4759	DI49_4759	SPGP0TE00130
DI49_4761; DI49_4760	DI49_4761; DI49_4760	
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YAL061W; DI49_0003	DI49_0003	YAL061W
DI49_1460; YER056C-A	DI49_1460	YER056C-A
DI49_1462; DI49_1461	DI49_1462; DI49_1461	
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SPGP0TQ00360; DI49_3731	DI49_3731	SPGP0TQ00360
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DI49_3737; DI49_3736	DI49_3737; DI49_3736	
DI49_4442; YAL039C	DI49_4442	YAL039C
DI49_4440; DI49_4441	DI49_4440; DI49_4441	
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SPGP0TW00100; DI49_2108	DI49_2108	SPGP0TW00100
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DI49_3500; DI49_3373	DI49_3500; DI49_3373	
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DI49_5627; DI49_3509	DI49_5627; DI49_3509	
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DI49_0713; YCL045C; DI49_0712	DI49_0713; DI49_0712	YCL045C
DI49_0710; DI49_0711; YCL048W; YCL047C	DI49_0710; DI49_0711	YCL048W; YCL047C
DI49_0708; DI49_0709; YCL050C; YCL049C	DI49_0708; DI49_0709	YCL050C; YCL049C
DI49_0706; YCL054W; YCL052C	DI49_0706	YCL054W; YCL052C

DI49_0705; YCL055W; DI49_0704	DI49_0705; DI49_0704		YCL055W
DI49_0702; DI49_0703; YCL057W; YCL056C	DI49_0702; DI49_0703		YCL057W; YCL056C
DI49_0700; YCL059C; SPGP0UJ00260; YCL058C	DI49_0700	SPGP0UJ00260	YCL059C; YCL058C
SPGP0UJ00280; DI49_0699	DI49_0699	SPGP0UJ00280	
DI49_4511; DI49_5467	DI49_4511; DI49_5467		
DI49_4513; DI49_4512	DI49_4513; DI49_4512		
DI49_4515; DI49_4514	DI49_4515; DI49_4514		
DI49_4517; DI49_4516	DI49_4517; DI49_4516		
DI49_4519; DI49_4518	DI49_4519; DI49_4518		
DI49_4521; DI49_4520	DI49_4521; DI49_4520		
DI49_1693; DI49_4522	DI49_1693; DI49_4522		
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DI49_2098; DI49_3789	DI49_2098; DI49_3789		
DI49_2096; DI49_2097	DI49_2096; DI49_2097		
DI49_2094; DI49_2095	DI49_2094; DI49_2095		
DI49_2092; DI49_2093	DI49_2092; DI49_2093		
DI49_2090; DI49_2091	DI49_2090; DI49_2091		
DI49_2088; DI49_2089	DI49_2088; DI49_2089		
DI49_5596; DI49_5597	DI49_5596; DI49_5597		
SPGP0US00130; DI49_5595	DI49_5595	SPGP0US00130	
DI49_1932; SPGP0UT00100	DI49_1932	SPGP0UT00100	
YPL245W; DI49_1931	DI49_1931		YPL245W
YPL243W; YPL244C			YPL243W; YPL244C
DI49_5232; DI49_5231	DI49_5232; DI49_5231		
DI49_0741; YCL011C; SPGP0UW00110; YCL010C	DI49_0741	SPGP0UW00110	YCL011C; YCL010C
YAL037W; YAL038W			YAL037W; YAL038W
DI49_1934; DI49_1935	DI49_1934; DI49_1935		
DI49_0805; DI49_0804	DI49_0805; DI49_0804		
SPGP0UZ00130; DI49_0806	DI49_0806	SPGP0UZ00130	

DI49_0811; DI49_0810	DI49_0811; DI49_0810	
DI49_1694; DI49_0813	DI49_1694; DI49_0813	
DI49_3385; DI49_3386	DI49_3385; DI49_3386	
DI49_3383; DI49_3384	DI49_3383; DI49_3384	
SPGP0VC00100; SPGP0VBtrna20L		SPGP0VC00100; SPGP0VBtrna20L
DI49_4693; DI49_4692	DI49_4693; DI49_4692	
DI49_4695; DI49_4694	DI49_4695; DI49_4694	
DI49_4697; YBL019W; DI49_4698	DI49_4697; DI49_4698	YBL019W
DI49_4700; SPGP0VDtrna16P	DI49_4700	SPGP0VDtrna16P
DI49_3296; DI49_3295	DI49_3296; DI49_3295	
DI49_3298; DI49_3297	DI49_3298; DI49_3297	
SPGP0VG00100; DI49_3299	DI49_3299	SPGP0VG00100
DI49_0507; DI49_0506	DI49_0507; DI49_0506	
DI49_0509; DI49_0508	DI49_0509; DI49_0508	
DI49_0511; DI49_0510	DI49_0511; DI49_0510	
DI49_1320; YJL217W; DI49_1319; YJL218W	DI49_1320; DI49_1319	YJL217W; YJL218W
DI49_1317; YBR296C; DI49_1316; YBR295W	DI49_1317; DI49_1316	YBR296C; YBR295W
DI49_1314; YBR291C; DI49_5565	DI49_1314; DI49_5565	YBR291C
DI49_1313; YBR290W	DI49_1313	YBR290W
DI49_1312; YBR289W	DI49_1312	YBR289W
DI49_1311; YBR288C	DI49_1311	YBR288C
DI49_1310; YBR287W; DI49_1309; YBR286W	DI49_1310; DI49_1309	YBR287W; YBR286W
DI49_1307; DI49_1308	DI49_1307; DI49_1308	
DI49_1305; YBR282W	DI49_1305	YBR282W
DI49_1304; YBR281C; DI49_1303; YBR280C	DI49_1304; DI49_1303	YBR281C; YBR280C
DI49_1301; DI49_1302	DI49_1301; DI49_1302	
DI49_1299; YBR275C	DI49_1299	YBR275C
DI49_1298; YBR274W; DI49_1297; YBR273C	DI49_1298; DI49_1297	YBR274W; YBR273C
DI49_1295; DI49_1296	DI49_1295; DI49_1296	
DI49_1293; DI49_1294	DI49_1293; DI49_1294	
DI49_1291; YBR267W	DI49_1291	YBR267W
DI49_1290; YBR265W; DI49_1289; YBR264C	DI49_1290; DI49_1289	YBR265W; YBR264C
DI49_1287; DI49_1288	DI49_1287; DI49_1288	
DI49_1285; YBR260C; DI49_1284; YBR259W	DI49_1285; DI49_1284	YBR260C; YBR259W
DI49_1282; DI49_1283	DI49_1282; DI49_1283	
DI49_1280; YBR255C-A; DI49_1279; YBR255W	DI49_1280; DI49_1279	YBR255C-A; YBR255W
DI49_1277; DI49_1278	DI49_1277; DI49_1278	
DI49_1275; DI49_1276	DI49_1275; DI49_1276	
DI49_1273; YBR249C	DI49_1273	YBR249C
DI49_1272; YBR248C; DI49_1271; YBR247C	DI49_1272; DI49_1271	YBR248C; YBR247C

DI49_1269; YBR245C; DI49_1268; YBR244W	DI49_1269; DI49_1268	YBR245C; YBR244W
DI49_1266; YBR242W	DI49_1266	YBR242W
DI49_1265; YBR241C	DI49_1265	YBR241C
DI49_1263; YBR240C	DI49_1263	YBR240C
DI49_1262; YBR239C	DI49_1262	YBR239C
SPGP0BE00690; YBR238C	SPGP0BE00690	YBR238C
DI49_1260; YBR237W; DI49_1259; YBR236C	DI49_1260; DI49_1259	YBR237W; YBR236C
DI49_1257; YBR234C; DI49_1256; YBR233W-A	DI49_1257; DI49_1256	YBR234C; YBR233W-A
DI49_1254; DI49_1255	DI49_1254; DI49_1255	
DI49_1253; SPGP0BE00770	DI49_1253	SPGP0BE00770
DI49_1251; DI49_1252; YBR229C; YBR228W	DI49_1251; DI49_1252	YBR229C; YBR228W
DI49_1249; YBR225W; DI49_1248; YBR223C	DI49_1249; DI49_1248	YBR225W; YBR223C
DI49_1246; YBR221C; DI49_1245; YBR220C	DI49_1246; DI49_1245	YBR221C; YBR220C
DI49_1241; YBR215W	DI49_1241	YBR215W
DI49_1240; YBR214W; DI49_1239; YBR213W	DI49_1240; DI49_1239	YBR214W; YBR213W
DI49_1237; DI49_1238	DI49_1237; DI49_1238	
DI49_1233; YBR208C	DI49_1233	YBR208C
DI49_1232; YBR207W	DI49_1232	YBR207W
DI49_1231; YBR205W; DI49_1230; YBR204C	DI49_1231; DI49_1230	YBR205W; YBR204C
DI49_1228; YBR202W; DI49_1227; YBR201C-A	DI49_1228; DI49_1227	YBR202W; YBR201C-A
SPGP0BE01040; DI49_1226	DI49_1226	
SPGP0BE01060; DI49_1224	DI49_1224	SPGP0BE01040
DI49_1221; YBR196C; DI49_1220; YBR195C	DI49_1221; DI49_1220	SPGP0BE01060
DI49_1218; DI49_1219	DI49_1218; DI49_1219	YBR196C; YBR195C
DI49_1216; YBR191W; YBR190W	DI49_1216	
DI49_1212; DI49_1213	DI49_1212; DI49_1213	YBR191W; YBR190W
DI49_1210; DI49_1211	DI49_1210; DI49_1211	
DI49_1208; DI49_1209	DI49_1208; DI49_1209	
DI49_1206; DI49_5372	DI49_1206; DI49_5372	
DI49_1204; DI49_1205	DI49_1204; DI49_1205	
DI49_1202; DI49_1203	DI49_1202; DI49_1203	
DI49_1200; YBR172C	DI49_1200	YBR172C
DI49_1199; YBR171W	DI49_1199	YBR171W
DI49_1198; YBR170C	DI49_1198	YBR170C
DI49_1197; YBR169C; DI49_1196; YBR168W	DI49_1197; DI49_1196	YBR169C; YBR168W
DI49_1194; YBR166C; DI49_1193; YBR165W	DI49_1194; DI49_1193	YBR166C; YBR165W
DI49_1191; YBR163W; DI49_1190; YBR164C	DI49_1191; DI49_1190	YBR163W; YBR164C
DI49_1188; DI49_1189	DI49_1188; DI49_1189	
DI49_1186; YBR159W	DI49_1186	YBR159W
DI49_1185; YBR158W; DI49_1184; YBR157C	DI49_1185; DI49_1184	YBR158W; YBR157C

DI49_1183; YBR155W	DI49_1183	YBR155W
DI49_1182; YBR154C; DI49_1181; YBR153W	DI49_1182; DI49_1181	YBR154C; YBR153W
DI49_1179; YBR151W; DI49_1178; YBR150C	DI49_1179; DI49_1178	YBR151W; YBR150C
DI49_1176; DI49_1177	DI49_1176; DI49_1177	
DI49_1174; YBR146W; DI49_1173; YBR145W	DI49_1174; DI49_1173	YBR146W; YBR145W
DI49_1171; DI49_1172; SPGP0BK01910; DI49_2982	DI49_1171; DI49_1172; DI49_2982	
DI49_1169; YBR140C	DI49_1169	YBR140C
DI49_1168; YBR139W; DI49_1167; YBR138C	DI49_1168; DI49_1167	YBR139W; YBR138C
DI49_1165; YBR136W; DI49_1164; YBR135W	DI49_1165; DI49_1164	YBR136W; YBR135W
DI49_1162; YBR132C; DI49_1161; YBR131W	DI49_1162; DI49_1161	YBR132C; YBR131W
DI49_1159; DI49_1160	DI49_1159; DI49_1160	
DI49_1157; YBR127C	DI49_1157	YBR127C
SPGP0BE01740; DI49_1156	DI49_1156	
DI49_1155; YBR125C	DI49_1155	YBR125C
DI49_1154; YBR123C; DI49_1153; YBR122C	DI49_1154; DI49_1153	YBR123C; YBR122C
DI49_1151; DI49_1152	DI49_1151; DI49_1152	
DI49_5530; YPR080W; DI49_1148	DI49_5530; DI49_1148	YPR080W
DI49_1146; YBR114W; DI49_1145	DI49_1146; DI49_1145	YBR114W
SPGP0BE01870; DI49_1144; YBR112C; YBR111W-A	DI49_1144	YBR112C; YBR111W-A
DI49_1139; DI49_1140	DI49_1139; DI49_1140	
DI49_1137; YBR106W; DI49_1135; YBR105C	DI49_1137; DI49_1135	YBR106W; YBR105C
DI49_1133; DI49_1134	DI49_1133; DI49_1134	
DI49_1131; DI49_1132	DI49_1131; DI49_1132	
DI49_1129; YBR097W; DI49_1128; YBR096W	DI49_1129; DI49_1128	YBR097W; YBR096W
DI49_1126; YBR094W	DI49_1126	YBR094W
SPGP0BE02040; SPGP0BE02050; DI49_1125; YBR091C	DI49_1125	YBR091C
DI49_1123; YBR088C; DI49_1122; YBR087W	DI49_1123; DI49_1122	YBR088C; YBR087W
DI49_1120; DI49_1121	DI49_1120; DI49_1121	
DI49_1118; YBR085W	DI49_1118	YBR085W
SPGP0BE02140; DI49_0153; DI49_0152; YBR084C-A	DI49_0153; DI49_0152	YBR084C-A
DI49_1117; YBR084W	DI49_1117	YBR084W
DI49_1116; YBR083W	DI49_1116	YBR083W
SPGP0BE02170; YBR082C		YBR082C
DI49_1112; YBR081C	DI49_1112	YBR081C
DI49_1111; YBR080C	DI49_1111	YBR080C
DI49_1110; YBR079C	DI49_1110	YBR079C
DI49_1109; YBR078W; DI49_1108; YBR077C	DI49_1109; DI49_1108	YBR078W; YBR077C
DI49_1106; YBR074W; DI49_1105; YBR073W	DI49_1106; DI49_1105	YBR074W; YBR073W
DI49_1103; DI49_1104	DI49_1103; DI49_1104	
DI49_1101; YBR069C	DI49_1101	YBR069C

DI49_1100; YBR068C; DI49_0242; DI49_0241	DI49_1100; DI49_0242; DI49_0241	YBR068C
DI49_1099; YBR067C; DI49_1098; YBR066C	DI49_1099; DI49_1098	YBR067C; YBR066C
DI49_1096; DI49_1097	DI49_1096; DI49_1097	
DI49_1090; DI49_1091	DI49_1090; DI49_1091	
DI49_1088; DI49_1089	DI49_1088; DI49_1089	
DI49_1086; YBR056W	DI49_1086	YBR056W
DI49_1084; YBR055C	DI49_1084	YBR055C
DI49_1083; YBR054W; DI49_1082; YBR053C	DI49_1083; DI49_1082	YBR054W; YBR053C
DI49_1080; YBR050C	DI49_1080	YBR050C
DI49_1079; YBR049C	DI49_1079	YBR049C
SPGP0BE02490; YBR048W	SPGP0BE02490	YBR048W
DI49_1077; YBR047W	DI49_1077	YBR047W
DI49_1076; YBR046C; DI49_1075; YBR045C	DI49_1076; DI49_1075	YBR046C; YBR045C
DI49_1071; YBR042C	DI49_1071	YBR042C
DI49_1070; YBR041W; DI49_1069; YBR040W	DI49_1070; DI49_1069	YBR041W; YBR040W
DI49_1067; YBR038W	DI49_1067	YBR038W
DI49_1066; YBR037C	DI49_1066	YBR037C
DI49_1065; YBR036C; DI49_1064; YBR035C	DI49_1065; DI49_1064	YBR036C; YBR035C
SPGP0BE02640; DI49_1063	DI49_1063	
SPGP0BE02660; YDR011W; DI49_1061	DI49_1061	YDR011W
DI49_1059; YDR006C; DI49_1058	DI49_1059; DI49_1058	YDR006C
DI49_1056; DI49_1057	DI49_1056; DI49_1057	
DI49_1054; YDR001C; DI49_1053	DI49_1054; DI49_1053	YDR001C
DI49_1037; DI49_1038	DI49_1037; DI49_1038	
DI49_1028; DI49_1029	DI49_1028; DI49_1029	
DI49_1023; DI49_1024	DI49_1023; DI49_1024	
DI49_1021; YDL042C; DI49_1020	DI49_1021; DI49_1020	YDL042C
DI49_1012; YDL051W; DI49_1011	DI49_1012; DI49_1011	YDL051W
DI49_1009; DI49_1010	DI49_1009; DI49_1010	
DI49_1006; YDL056W; DI49_1005	DI49_1006; DI49_1005	YDL056W
SPGP0BE03310; YDL064W; DI49_0999	DI49_0999	YDL064W
DI49_0997; YDL067C; DI49_0996	DI49_0997; DI49_0996	YDL067C
DI49_0994; DI49_0995	DI49_0994; DI49_0995	
DI49_0988; YDL078C; SPGP0BE03440	DI49_0988	YDL078C
SPGP0BE03570; DI49_0978	DI49_0978	
DI49_0964; YDL106C; DI49_0963	DI49_0964; DI49_0963	YDL106C
DI49_0961; DI49_0962	DI49_0961; DI49_0962	
DI49_0943; DI49_0944	DI49_0943; DI49_0944	
DI49_0938; SPGP0BE04430	DI49_0938	
DI49_0936; DI49_0889; DI49_0935; YDL192W; DI49_0888	DI49_0936; DI49_0889; DI49_0935; DI49_0888	YDL192W

DI49_0933; YDL141W; DI49_0932	DI49_0933; DI49_0932	YDL141W
DI49_0930; DI49_0931	DI49_0930; DI49_0931	
DI49_0913; YDL165W; DI49_0912	DI49_0913; DI49_0912	YDL165W
DI49_0904; DI49_0905	DI49_0904; DI49_0905	
DI49_0902; DI49_0903	DI49_0902; DI49_0903	
DI49_0895; YDL185W; DI49_0894	DI49_0895; DI49_0894	YDL185W
DI49_0886; YDL195W; DI49_0885	DI49_0886; DI49_0885	YDL195W
DI49_0883; YDL199C; DI49_0882	DI49_0883; DI49_0882	YDL199C
DI49_0880; DI49_0881	DI49_0880; DI49_0881	
DI49_0878; DI49_0879	DI49_0878; DI49_0879	
DI49_0876; DI49_0877	DI49_0876; DI49_0877	
DI49_0874; YDL208W; DI49_0873	DI49_0874; DI49_0873	YDL208W
DI49_0863; DI49_0864	DI49_0863; DI49_0864	
DI49_0861; DI49_0862	DI49_0861; DI49_0862	
DI49_0859; DI49_0860	DI49_0859; DI49_0860	
DI49_4535; YDL229W; DI49_0853	DI49_4535; DI49_0853	YDL229W
DI49_0851; DI49_0852	DI49_0851; DI49_0852	
DI49_0849; DI49_0850	DI49_0849; DI49_0850	
DI49_0847; DI49_0848	DI49_0847; DI49_0848	
DI49_0845; DI49_0846	DI49_0845; DI49_0846	
SPGP0BE04910; DI49_0844	DI49_0844	SPGP0BE04910
DI49_0841; DI49_0842	DI49_0841; DI49_0842	
SPGP0BE04950; SPGP0BE04940		SPGP0BE04950; SPGP0BE04940
DI49_4536; SPGP0VH00100	DI49_4536	SPGP0VH00100
DI49_4538; DI49_4537	DI49_4538; DI49_4537	
DI49_4540; DI49_4539	DI49_4540; DI49_4539	
DI49_4542; DI49_4541	DI49_4542; DI49_4541	
DI49_4544; DI49_4543	DI49_4544; DI49_4543	
DI49_2052; DI49_2051	DI49_2052; DI49_2051	
DI49_2054; DI49_2053	DI49_2054; DI49_2053	
DI49_5248; DI49_2055	DI49_5248; DI49_2055	
SPGP0VLtrna4C; DI49_5567; DI49_3788	DI49_5567; DI49_3788	SPGP0VLtrna4C
DI49_3786; DI49_3787	DI49_3786; DI49_3787	
DI49_3784; YGL201C; DI49_3783	DI49_3784; DI49_3783	YGL201C
DI49_3779; DI49_3780	DI49_3779; DI49_3780	
DI49_3777; DI49_3778	DI49_3777; DI49_3778	
DI49_3775; DI49_3776	DI49_3775; DI49_3776	
DI49_3773; DI49_3774	DI49_3773; DI49_3774	
DI49_3771; DI49_3772	DI49_3771; DI49_3772	
DI49_3769; DI49_1665; DI49_3768; DI49_1666	DI49_3769; DI49_1665; DI49_3768; DI49_1666	



DI49_4657; DI49_4656	DI49_4657; DI49_4656		
DI49_4659; DI49_4658	DI49_4659; DI49_4658		
DI49_4661; DI49_4660	DI49_4661; DI49_4660		
DI49_4663; DI49_4662	DI49_4663; DI49_4662		
DI49_4665; DI49_4664	DI49_4665; DI49_4664		
DI49_4667; DI49_4666	DI49_4667; DI49_4666		
DI49_4669; DI49_4668	DI49_4669; DI49_4668		
DI49_4671; DI49_4670	DI49_4671; DI49_4670		
DI49_4673; DI49_4672	DI49_4673; DI49_4672		
DI49_4678; DI49_4677	DI49_4678; DI49_4677		
DI49_4680; DI49_4679	DI49_4680; DI49_4679		
DI49_4682; DI49_4681	DI49_4682; DI49_4681		
DI49_4684; DI49_4683	DI49_4684; DI49_4683		
DI49_0815; DI49_0814	DI49_0815; DI49_0814		
DI49_0817; DI49_0816	DI49_0817; DI49_0816		
DI49_0820; SPGP0VO00160	DI49_0820	SPGP0VO00160	
YCR077C; DI49_0821	DI49_0821		YCR077C
DI49_0823; DI49_0822	DI49_0823; DI49_0822		
DI49_0825; DI49_0824	DI49_0825; DI49_0824		
DI49_3966; DI49_3967	DI49_3966; DI49_3967		
DI49_3963; DI49_3965	DI49_3963; DI49_3965		
DI49_3962; SPGP0VP00170	DI49_3962	SPGP0VP00170	
DI49_3960; DI49_3961	DI49_3960; DI49_3961		
SPGP0VP00220; YJL216C		SPGP0VP00220	YJL216C
SPGP0VP00230; DI49_5194; SPGP0VP00240; YBR297W	DI49_5194	SPGP0VP00230; SPGP0VP00240	YBR297W
DI49_1662; DI49_1661	DI49_1662; DI49_1661		
SPGP0BF00100; DI49_1667	DI49_1667	SPGP0BF00100	
YIR014W; YIR015W			YIR014W; YIR015W
YIR003W; YIR004W			YIR003W; YIR004W
YIL006W; YIL005W			YIL006W; YIL005W
YIL008W; YIL007C			YIL008W; YIL007C
YIL011W; YIL010W			YIL011W; YIL010W
YIL014W; YIL013C			YIL014W; YIL013C
YIL026C; YIL024C			YIL026C; YIL024C
YIL042C; YIL043C; YIL044C			YIL042C; YIL043C; YIL044C
YIL055C; DI49_2726	DI49_2726		YIL055C
SPGP0BF00950; YIL072W		SPGP0BF00950	YIL072W
YIL074C; YIL073C			YIL074C; YIL073C
YIL087C; YIL085C			YIL087C; YIL085C

YIL098C; YIL097W			YIL098C; YIL097W
YIL106W; YIL105C			YIL106W; YIL105C
YIL113W; YIL112W			YIL113W; YIL112W
YIL118W; YIL117C			YIL118W; YIL117C
YIL132C; YIL131C			YIL132C; YIL131C
YIL134W; YIL133C			YIL134W; YIL133C
YIL136W; YIL135C			YIL136W; YIL135C
YIL138C; YIL137C			YIL138C; YIL137C
YIL140W; YIL139C			YIL140W; YIL139C
YIL155C; YIL154C			YIL155C; YIL154C
YIL156W-B; YIL156W			YIL156W-B; YIL156W
YIL158W; YIL157C			YIL158W; YIL157C
YIL167W; YIL166C			YIL167W; YIL166C
DI49_1601; YOL158C	DI49_1601		YOL158C
SPGP0BF01890; YOL159C		SPGP0BF01890	YOL159C
SPGP0BF01900; YAL068C; DI49_3810; DI49_1966	DI49_3810; DI49_1966	SPGP0BF01900	YAL068C
SPGP0VR00150; YLR300W		SPGP0VR00150	YLR300W
DI49_1638; DI49_1637	DI49_1638; DI49_1637		
DI49_1640; DI49_1639	DI49_1640; DI49_1639		
DI49_1642; DI49_1641	DI49_1642; DI49_1641		
YPL260W; YPL262W			YPL260W; YPL262W
SPGP0VTtrna5W; SPGP0ltrna9W; YPL257W; SPGP0Htrna8W; YMR052W		SPGP0VTtrna5W; SPGP0ltrna9W; SPGP0Htrna8W	YPL257W; YMR052W
YPL256C; SPGP0VT00150		SPGP0VT00150	YPL256C
YPL254W; YPL255W			YPL254W; YPL255W
YPL252C; YPL253C			YPL252C; YPL253C
DI49_1472; DI49_1471	DI49_1472; DI49_1471		
DI49_1474; DI49_1473	DI49_1474; DI49_1473		
YGL222C; DI49_5246	DI49_5246		
YGL220W; YGL221C			YGL222C
DI49_0512; YGL219C	DI49_0512		YGL220W; YGL221C
DI49_0514; DI49_0513	DI49_0514; DI49_0513		YGL219C
DI49_0516; DI49_0515	DI49_0516; DI49_0515		
DI49_0518; DI49_0517	DI49_0518; DI49_0517		
DI49_0525; DI49_0524	DI49_0525; DI49_0524		
DI49_0530; DI49_0529	DI49_0530; DI49_0529		
DI49_0532; DI49_0531	DI49_0532; DI49_0531		
DI49_4717; DI49_0533	DI49_4717; DI49_0533		
DI49_4715; DI49_4716	DI49_4715; DI49_4716		
DI49_4713; DI49_4714	DI49_4713; DI49_4714		
DI49_4711; DI49_4712	DI49_4711; DI49_4712		

DI49_4709; DI49_4710 SPGP0WA00200; DI49_0189; DI49_0188; YBR009C; YBR008C	DI49_4709; DI49_4710 DI49_0189; DI49_0188	SPGP0WA00200	YBR009C; YBR008C YBR010W
DI49_4706; DI49_0190; DI49_4705; YBR010W YCL061C; YCL063W YCL043C; DI49_0715; YCL040W YCL038C; YCL039W YCL033C; YCL034W YCL026C-B; YCL027W YCL025C; DI49_0671; YCL024W YCL014W; DI49_0739; YCL012C YCL004W; YCL005W YCR010C; YCR009C YCR020W-B; YCR020C-A YCR028C; DI49_0781; YCR028C-A YCR031C; DI49_2840; YCR032W; YJL191W YCR038C; YCR037C	DI49_4706; DI49_0190; DI49_4705 DI49_0715 DI49_0671 DI49_0739 DI49_0781 DI49_2840		YCL061C; YCL063W YCL043C; YCL040W YCL038C; YCL039W YCL033C; YCL034W YCL026C-B; YCL027W YCL025C; YCL024W YCL014W; YCL012C YCL004W; YCL005W YCR010C; YCR009C YCR020W-B; YCR020C-A YCR028C; YCR028C-A YCR031C; YCR032W; YJL191W YCR038C; YCR037C
DI49_1409; DI49_1410 DI49_3362; DI49_3363 DI49_3360; DI49_3361 DI49_3358; DI49_3359 DI49_3356; DI49_3357 DI49_3354; DI49_3355 DI49_3352; DI49_3353 DI49_4784; DI49_3351 DI49_1852; DI49_4785 DI49_1854; DI49_1853 SPGP0Wltna6W; DI49_3006; DI49_1857 DI49_1859; DI49_1858 DI49_1861; DI49_1860 DI49_1863; DI49_1862 DI49_1865; DI49_1864 DI49_1867; DI49_1866 DI49_1869; DI49_1868 DI49_1871; DI49_1870 DI49_1873; DI49_1872 DI49_3397; DI49_1874 DI49_3395; DI49_3396 DI49_3393; DI49_3394 DI49_3391; DI49_3392	DI49_1409; DI49_1410 DI49_3362; DI49_3363 DI49_3360; DI49_3361 DI49_3358; DI49_3359 DI49_3356; DI49_3357 DI49_3354; DI49_3355 DI49_3352; DI49_3353 DI49_4784; DI49_3351 DI49_1852; DI49_4785 DI49_1854; DI49_1853 DI49_3006; DI49_1857 DI49_1859; DI49_1858 DI49_1861; DI49_1860 DI49_1863; DI49_1862 DI49_1865; DI49_1864 DI49_1867; DI49_1866 DI49_1869; DI49_1868 DI49_1871; DI49_1870 DI49_1873; DI49_1872 DI49_3397; DI49_1874 DI49_3395; DI49_3396 DI49_3393; DI49_3394 DI49_3391; DI49_3392	SPGP0Wltna6W	

DI49_3389; DI49_3390	DI49_3389; DI49_3390	
DI49_2011; DI49_2010	DI49_2011; DI49_2010	
DI49_2013; DI49_2012	DI49_2013; DI49_2012	
DI49_2015; DI49_2014	DI49_2015; DI49_2014	
DI49_2017; DI49_2016	DI49_2017; DI49_2016	
DI49_2019; DI49_2018	DI49_2019; DI49_2018	
DI49_2021; DI49_2020	DI49_2021; DI49_2020	
DI49_2023; DI49_2022	DI49_2023; DI49_2022	
DI49_1484; DI49_2026	DI49_1484; DI49_2026	
DI49_1486; DI49_2710; SPGP0WT00100	DI49_1486; DI49_2710	SPGP0WT00100
DI49_3754; DI49_3753	DI49_3754; DI49_3753	
YER178W; YER177W		YER178W; YER177W
YER180C; YER179W		YER180C; YER179W
DI49_0497; DI49_0498	DI49_0497; DI49_0498	
DI49_0494; YDR316W; DI49_0493	DI49_0494; DI49_0493	YDR316W
DI49_0491; DI49_0492	DI49_0491; DI49_0492	
DI49_0487; DI49_0488	DI49_0487; DI49_0488	
DI49_0485; DI49_0486	DI49_0485; DI49_0486	
DI49_0483; DI49_0484	DI49_0483; DI49_0484	
DI49_0481; DI49_0482	DI49_0481; DI49_0482	
DI49_0479; DI49_0480	DI49_0479; DI49_0480	
DI49_0474; YDR297W; DI49_0473	DI49_0474; DI49_0473	YDR297W
DI49_0462; DI49_0463	DI49_0462; DI49_0463	
DI49_0454; YDR276C; DI49_0453	DI49_0454; DI49_0453	YDR276C
DI49_0451; DI49_0452	DI49_0451; DI49_0452	
DI49_0448; YDR267C; DI49_0447	DI49_0448; DI49_0447	YDR267C
DI49_0445; DI49_0446	DI49_0445; DI49_0446	
DI49_0443; DI49_0444	DI49_0443; DI49_0444	
DI49_0439; DI49_0440	DI49_0439; DI49_0440	
DI49_0437; DI49_0438	DI49_0437; DI49_0438	
DI49_0433; DI49_0434	DI49_0433; DI49_0434	
DI49_0431; DI49_0432	DI49_0431; DI49_0432	
DI49_0425; YDR244W; DI49_0424	DI49_0425; DI49_0424	YDR244W
DI49_0422; YDR240C; DI49_0421	DI49_0422; DI49_0421	YDR240C
DI49_0419; DI49_0420	DI49_0419; DI49_0420	
DI49_0410; YDR228C; DI49_0409	DI49_0410; DI49_0409	YDR228C
DI49_0407; DI49_0179	DI49_0407; DI49_0179	
SPGP0BI01110; DI49_0401	DI49_0401	SPGP0BI01110
DI49_0399; DI49_0400	DI49_0399; DI49_0400	
DI49_0397; YDR212W; DI49_0396	DI49_0397; DI49_0396	YDR212W

DI49_0394; YDR208W; DI49_0393	DI49_0394; DI49_0393	YDR208W
DI49_0391; DI49_0392	DI49_0391; DI49_0392	
DI49_0388; YDR201W; DI49_0387	DI49_0388; DI49_0387	YDR201W
DI49_0373; DI49_0374	DI49_0373; DI49_0374	
DI49_0368; DI49_0369	DI49_0368; DI49_0369	
DI49_0362; YDR172W; DI49_0361	DI49_0362; DI49_0361	YDR172W
DI49_0356; YDR168W; DI49_0355	DI49_0356; DI49_0355	YDR168W
DI49_0347; DI49_0348	DI49_0347; DI49_0348	
DI49_0345; DI49_0346	DI49_0345; DI49_0346	
DI49_0343; YDR153C; DI49_0342	DI49_0343; DI49_0342	YDR153C
DI49_0330; DI49_0331	DI49_0330; DI49_0331	
DI49_0327; YDR134C; DI49_0326	DI49_0327; DI49_0326	YDR134C
DI49_0324; DI49_0325	DI49_0324; DI49_0325	
DI49_0322; DI49_0323	DI49_0322; DI49_0323	
DI49_0319; YDR125C; DI49_0318	DI49_0319; DI49_0318	YDR125C
DI49_0316; YDR122W; DI49_0315	DI49_0316; DI49_0315	YDR122W
DI49_0313; DI49_0314	DI49_0313; DI49_0314	
DI49_0309; DI49_0310	DI49_0309; DI49_0310	
DI49_0307; DI49_0308	DI49_0307; DI49_0308	
SPGP0BI02050; DI49_0306	DI49_0306	SPGP0BI02050
DI49_0299; DI49_0300	DI49_0299; DI49_0300	
DI49_0290; YDR093W; SPGP0BI02200	DI49_0290	SPGP0BI02200
DI49_0288; DI49_0289	DI49_0288; DI49_0289	
DI49_0274; DI49_0275	DI49_0274; DI49_0275	
DI49_0270; YDR074W; DI49_0269	DI49_0270; DI49_0269	YDR074W
DI49_0256; YDR060W; DI49_0255	DI49_0256; DI49_0255	YDR060W
DI49_0251; YDR057W; DI49_0250	DI49_0251; DI49_0250	YDR057W
DI49_0245; YDR050C; DI49_0244	DI49_0245; DI49_0244	YDR050C
DI49_0228; YDR031W; DI49_0227	DI49_0228; DI49_0227	YDR031W
SPGP0BI02840; YDR025W		YDR025W
DI49_0212; DI49_0213	DI49_0212; DI49_0213	
DI49_0210; DI49_0211	DI49_0210; DI49_0211	
DI49_0208; YBR030W	DI49_0208	YBR030W
DI49_0207; YBR029C; DI49_0206; YBR028C	DI49_0207; DI49_0206	YBR029C; YBR028C
DI49_0204; YBR025C; DI49_0203; YBR024W	DI49_0204; DI49_0203	YBR025C; YBR024W
DI49_0201; DI49_0202	DI49_0201; DI49_0202	
DI49_0199; DI49_0200	DI49_0199; DI49_0200	
DI49_0197; DI49_0198	DI49_0197; DI49_0198	
DI49_0195; DI49_0196	DI49_0195; DI49_0196	
DI49_0193; DI49_0194	DI49_0193; DI49_0194	

DI49_0191; YBR011C	DI49_0191	YBR011C
DI49_0186; DI49_0187; YBR006W; YBR005W	DI49_0186; DI49_0187	YBR006W; YBR005W
DI49_0184; YBR003W; DI49_0183; YBR002C	DI49_0184; DI49_0183	YBR003W; YBR002C
DI49_0181; DI49_0182	DI49_0181; DI49_0182	
DI49_0178; YBL004W	DI49_0178	YBL004W
DI49_0174; YBL007C; DI49_0173; YBL008W	DI49_0174; DI49_0173	YBL007C; YBL008W
DI49_0171; YBL010C; DI49_0170; YBL011W	DI49_0171; DI49_0170	YBL010C; YBL011W
DI49_0168; DI49_0169	DI49_0168; DI49_0169	
DI49_0165; YBL015W; DI49_0164; YBL016W	DI49_0165; DI49_0164	YBL015W; YBL016W
DI49_0161; YBL020W; DI49_0160; YBL021C	DI49_0161; DI49_0160	YBL020W; YBL021C
DI49_0158; YBL023C	DI49_0158	YBL023C
DI49_0157; YBL024W; DI49_0156; YBL025W	DI49_0157; DI49_0156	YBL024W; YBL025W
DI49_0154; DI49_0155	DI49_0154; DI49_0155	
DI49_0150; DI49_0151; YBL029W; YBL029C-A	DI49_0150; DI49_0151	YBL029W; YBL029C-A
DI49_0148; YBL031W; DI49_0147; YBL032W	DI49_0148; DI49_0147	YBL031W; YBL032W
DI49_0145; DI49_0146	DI49_0145; DI49_0146	
DI49_0143; DI49_0144	DI49_0143; DI49_0144	
DI49_0141; YBL038W	DI49_0141	YBL038W
DI49_0140; YBL039C; DI49_0139; YBL039W-B	DI49_0140; DI49_0139	YBL039C; YBL039W-B
DI49_0137; YBL041W; DI49_0136; YBL042C	DI49_0137; DI49_0136	YBL041W; YBL042C
DI49_0134; DI49_0135	DI49_0134; DI49_0135	
DI49_0132; DI49_0133; YBL045C; YBL046W	DI49_0132; DI49_0133	YBL045C; YBL046W
DI49_0130; DI49_0131	DI49_0130; DI49_0131	
DI49_0128; YBL051C	DI49_0128	YBL051C
DI49_0127; YBL052C; DI49_0126; YBL054W	DI49_0127; DI49_0126	YBL052C; YBL054W
DI49_0125; YBL056W; DI49_0124; YBL057C	DI49_0125; DI49_0124	YBL056W; YBL057C
SPGP0BI03800; DI49_0123	DI49_0123	
DI49_0121; SPGP0BI03810	DI49_0121	
DI49_0119; YBL063W	DI49_0119	YBL063W
DI49_0118; YBL064C	DI49_0118	YBL064C
DI49_0117; YBL066C; DI49_0116; YBL067C	DI49_0117; DI49_0116	YBL066C; YBL067C
DI49_0114; DI49_0115	DI49_0114; DI49_0115	
DI49_0110; YBL076C	DI49_0110	YBL076C
DI49_0109; YBL078C	DI49_0109	YBL078C
DI49_0108; YBL079W	DI49_0108	YBL079W
DI49_0107; YBL080C; DI49_0106; YBL081W	DI49_0107; DI49_0106	YBL080C; YBL081W
DI49_0105; SPGP0BI03990	DI49_0105	
DI49_0103; YBL085W; DI49_0102; YBL086C	DI49_0103; DI49_0102	YBL085W; YBL086C
DI49_0100; YBL088C; DI49_0099; YBL089W	DI49_0100; DI49_0099	YBL088C; YBL089W
DI49_0097; YBL091C; DI49_0096; YBL091C-A	DI49_0097; DI49_0096	YBL091C; YBL091C-A

SPGP0BI03800  
SPGP0BI03810

SPGP0BI03990

DI49_0094; YBL093C; DI49_0093; YBL095W	DI49_0094; DI49_0093		YBL093C; YBL095W
DI49_0091; DI49_0092	DI49_0091; DI49_0092		
DI49_0086; DI49_0087	DI49_0086; DI49_0087		
DI49_0084; YBL105C	DI49_0084		YBL105C
DI49_0083; YBL106C; DI49_0082; YBL107C	DI49_0083; DI49_0082		YBL106C; YBL107C
DI49_3978; SPGP0BItma26L	DI49_3978	SPGP0BItma26L	
DI49_1804; DI49_3977	DI49_1804; DI49_3977		
DI49_1806; DI49_1805	DI49_1806; DI49_1805		
DI49_1810; DI49_1809	DI49_1810; DI49_1809		
DI49_1812; DI49_1811	DI49_1812; DI49_1811		
DI49_3972; DI49_1813	DI49_3972; DI49_1813		
DI49_3542; DI49_3971	DI49_3542; DI49_3971		
DI49_3540; DI49_3541	DI49_3540; DI49_3541		
DI49_3535; DI49_3536	DI49_3535; DI49_3536		
DI49_3533; DI49_3534	DI49_3533; DI49_3534		
DI49_3531; DI49_3532	DI49_3531; DI49_3532		
YLR002C; DI49_3530	DI49_3530		YLR002C
DI49_5452; DI49_5451	DI49_5452; DI49_5451		
DI49_5454; DI49_5453	DI49_5454; DI49_5453		
DI49_5456; DI49_5455	DI49_5456; DI49_5455		
DI49_3689; DI49_3688	DI49_3689; DI49_3688		
DI49_3691; DI49_3690	DI49_3691; DI49_3690		
DI49_3693; DI49_3692	DI49_3693; DI49_3692		
DI49_3695; DI49_3694	DI49_3695; DI49_3694		
DI49_3700; DI49_3699	DI49_3700; DI49_3699		
DI49_3702; DI49_3701	DI49_3702; DI49_3701		
DI49_3704; DI49_3703	DI49_3704; DI49_3703		
DI49_5244; DI49_5243	DI49_5244; DI49_5243		
YAR050W; SPGP0KR00100		SPGP0KR00100	YAR050W
DI49_3181; DI49_3079; DI49_3180	DI49_3181; DI49_3079; DI49_3180		
DI49_3179; YKL205W	DI49_3179		YKL205W
DI49_3177; DI49_3178	DI49_3177; DI49_3178		
DI49_3166; SPGP0BK00100	DI49_3166	SPGP0BK00100	
SPGP0BK00190; SPGP0BK00180		SPGP0BK00190; SPGP0BK00180	
DI49_3159; SPGP0BK00220; DI49_3157; DI49_3156	DI49_3159; DI49_3157; DI49_3156	SPGP0BK00220	
SPGP0BK00280; DI49_3155	DI49_3155	SPGP0BK00280	
DI49_3153; DI49_2608	DI49_3153; DI49_2608		
DI49_3151; DI49_3152	DI49_3151; DI49_3152		
DI49_3149; DI49_3150	DI49_3149; DI49_3150		
DI49_3147; YJR138W	DI49_3147		YJR138W

DI49_3146; YJR137C	DI49_3146		YJR137C
DI49_3145; YJR136C; DI49_3144; YJR135W-A	DI49_3145; DI49_3144		YJR136C; YJR135W-A
DI49_3142; YJR134C	DI49_3142		YJR134C
DI49_3141; YJR133W	DI49_3141		YJR133W
DI49_3140; YJR132W; DI49_3139; YJR131W	DI49_3140; DI49_3139		YJR132W; YJR131W
DI49_3137; DI49_3138	DI49_3137; DI49_3138		
DI49_3135; DI49_3136	DI49_3135; DI49_3136		
DI49_3133; YJR124C	DI49_3133		YJR124C
DI49_3132; YJR123W; DI49_3131; YJR122W	DI49_3132; DI49_3131		YJR123W; YJR122W
DI49_3129; YJR119C	DI49_3129		YJR119C
DI49_3128; YJR118C	DI49_3128		YJR118C
DI49_3127; YJR117W; DI49_3126; YJR116W	DI49_3127; DI49_3126		YJR117W; YJR116W
DI49_3124; DI49_3125	DI49_3124; DI49_3125		
DI49_3122; DI49_3123	DI49_3122; DI49_3123		
DI49_3120; YJR110W	DI49_3120		YJR110W
DI49_3119; YJR109C; SPGP0BK00650; YJR108W	DI49_3119	SPGP0BK00650	YJR109C; YJR108W
DI49_3117; YJR107W; DI49_3116; YJR106W	DI49_3117; DI49_3116		YJR107W; YJR106W
DI49_3114; YJR104C; DI49_3113; YJR103W	DI49_3114; DI49_3113		YJR104C; YJR103W
DI49_3111; DI49_3112	DI49_3111; DI49_3112		
DI49_3107; YJR098C; DI49_3106; YJR097W	DI49_3107; DI49_3106		YJR098C; YJR097W
DI49_3104; YJR095W	DI49_3104		YJR095W
DI49_3103; YJR094W-A; DI49_3102; YJR094C	DI49_3103; DI49_3102		YJR094W-A; YJR094C
DI49_3100; DI49_3101	DI49_3100; DI49_3101		
DI49_3098; YJR090C; DI49_3097; YJR089W	DI49_3098; DI49_3097		YJR090C; YJR089W
DI49_3095; DI49_3096	DI49_3095; DI49_3096		
DI49_3093; DI49_3094	DI49_3093; DI49_3094		
DI49_3091; DI49_3092	DI49_3091; DI49_3092		
DI49_3089; DI49_3090	DI49_3089; DI49_3090		
DI49_3087; YJR076C	DI49_3087		YJR076C
DI49_3086; YJR075W; SPGP0BK00980; YJR074W	DI49_3086	SPGP0BK00980	YJR075W; YJR074W
DI49_3084; DI49_3085	DI49_3084; DI49_3085		
DI49_3082; YJR069C	DI49_3082		YJR069C
DI49_3081; YJR068W; DI49_3080; YJR067C	DI49_3081; DI49_3080		YJR068W; YJR067C
DI49_3078; YJR065C	DI49_3078		YJR065C
DI49_3077; YJR064W; DI49_3076; YJR063W	DI49_3077; DI49_3076		YJR064W; YJR063W
DI49_3074; DI49_3075	DI49_3074; DI49_3075		
DI49_3072; YJR059W; DI49_3071; YJR058C	DI49_3072; DI49_3071		YJR059W; YJR058C
SPGP0BKtrna20R; DI49_3064	DI49_3064	SPGP0BKtrna20R	
DI49_3063; YJR054W; DI49_3062; YJR053W	DI49_3063; DI49_3062		YJR054W; YJR053W
DI49_3057; DI49_3058	DI49_3057; DI49_3058		



DI49_3051; DI49_3052	DI49_3051; DI49_3052	
DI49_3047; DI49_3048	DI49_3047; DI49_3048	
DI49_3045; YJR039W	DI49_3045	YJR039W
DI49_3044; YJR036C; DI49_3043; YJR035W	DI49_3044; DI49_3043	YJR036C; YJR035W
DI49_3041; YJR033C	DI49_3041	YJR033C
DI49_3040; YJR032W; DI49_3039; YJR031C	DI49_3040; DI49_3039	YJR032W; YJR031C
DI49_3037; DI49_3038	DI49_3037; DI49_3038	
DI49_3035; DI49_3036	DI49_3035; DI49_3036	
DI49_3034; SPGP0BK01440	DI49_3034	SPGP0BK01440
DI49_3032; YJR016C; SPGP0BK01480; YJR015W	DI49_3032	SPGP0BK01480
DI49_3030; DI49_3031	DI49_3030; DI49_3031	
DI49_3028; YJR011C; DI49_3027; YJR010C-A	DI49_3028; DI49_3027	YJR011C; YJR010C-A
DI49_3025; YJR009C	DI49_3025	YJR009C
DI49_3024; YJR008W	DI49_3024	YJR008W
DI49_3023; YJR007W; DI49_3022; YJR006W	DI49_3023; DI49_3022	YJR007W; YJR006W
DI49_3020; YJR005W	DI49_3020	YJR005W
DI49_3019; YJR004C; DI49_3018; YJR003C	DI49_3019; DI49_3018	YJR004C; YJR003C
DI49_3016; DI49_3017	DI49_3016; DI49_3017	
DI49_3015; SPGP0BK01650	DI49_3015	SPGP0BK01650
DI49_3013; DI49_3014	DI49_3013; DI49_3014	
DI49_3008; YJL008C	DI49_3008	YJL008C
DI49_3007; YJL010C	DI49_3007	YJL010C
DI49_3002; DI49_3003	DI49_3002; DI49_3003	
DI49_3000; DI49_3001	DI49_3000; DI49_3001	
DI49_2998; DI49_2999	DI49_2998; DI49_2999	
DI49_2995; YJL024C; DI49_2994; YJL025W	DI49_2995; DI49_2994	YJL024C; YJL025W
DI49_2988; DI49_2989	DI49_2988; DI49_2989	
DI49_2986; YJL034W; DI49_2985; YJL035C	DI49_2986; DI49_2985	YJL034W; YJL035C
DI49_2978; YJL039C; DI49_2977; YJL041W	DI49_2978; DI49_2977	YJL039C; YJL041W
DI49_2975; DI49_2976	DI49_2975; DI49_2976	
DI49_2973; DI49_2974	DI49_2973; DI49_2974	
DI49_2967; DI49_2968	DI49_2967; DI49_2968	
DI49_2965; YJL050W	DI49_2965	YJL050W
DI49_2964; YJL051W	DI49_2964	YJL051W
DI49_2963; YJL052W; DI49_2962; YJL053W	DI49_2963; DI49_2962	YJL052W; YJL053W
DI49_2960; DI49_2961	DI49_2960; DI49_2961	
DI49_2958; DI49_2959	DI49_2958; DI49_2959	
DI49_2956; YJL059W	DI49_2956	YJL059W
DI49_2955; YJL060W; DI49_2954; YJL061W	DI49_2955; DI49_2954	YJL060W; YJL061W
DI49_2952; YJL062W-A; DI49_2951; YJL063C	DI49_2952; DI49_2951	YJL062W-A; YJL063C

DI49_2949; DI49_2950	DI49_2949; DI49_2950		
DI49_2947; DI49_2948	DI49_2947; DI49_2948		
DI49_2945; YJL071W	DI49_2945		YJL071W
DI49_2944; YJL072C; DI49_2943; YJL073W	DI49_2944; DI49_2943		YJL072C; YJL073W
DI49_2941; DI49_2942	DI49_2941; DI49_2942		
DI49_2939; DI49_2940	DI49_2939; DI49_2940		
DI49_2937; DI49_2938; YJL080C; YJL081C	DI49_2937; DI49_2938		YJL080C; YJL081C
DI49_2935; YJL083W	DI49_2935		YJL083W
SPGP0BK02350; YJL084C		SPGP0BK02350	YJL084C
DI49_2934; YJL085W	DI49_2934		YJL085W
DI49_2933; YJL087C; DI49_2932; YJL088W	DI49_2933; DI49_2932		YJL087C; YJL088W
DI49_2930; YJL090C	DI49_2930		YJL090C
DI49_2929; YJL091C	DI49_2929		YJL091C
DI49_2928; YJL092W; DI49_2927; YJL093C	DI49_2928; DI49_2927		YJL092W; YJL093C
DI49_2925; YJL095W; DI49_2924; YJL096W	DI49_2925; DI49_2924		YJL095W; YJL096W
DI49_2922; YJL098W; DI49_2921; YJL099W	DI49_2922; DI49_2921		YJL098W; YJL099W
DI49_2919; YJL101C	DI49_2919		YJL101C
SPGP0BKtrna23R; DI49_2918; DI49_2917; YJL102W	DI49_2918; DI49_2917	SPGP0BKtrna23R	YJL102W
DI49_2915; YJL104W; DI49_2914; YJL105W	DI49_2915; DI49_2914		YJL104W; YJL105W
DI49_2912; YJL107C	DI49_2912		YJL107C
DI49_2911; YJL109C; DI49_2910; YJL110C	DI49_2911; DI49_2910		YJL109C; YJL110C
SPGP0BK02610; YJL112W		SPGP0BK02610	YJL112W
DI49_2902; DI49_2903	DI49_2902; DI49_2903		
DI49_2901; SPGP0BK02670	DI49_2901	SPGP0BK02670	
SPGP0BK02700; DI49_2900	DI49_2900	SPGP0BK02700	
DI49_2898; YJL125C; DI49_2897; YJL126W	DI49_2898; DI49_2897		YJL125C; YJL126W
DI49_2895; YJL127C-B	DI49_2895		YJL127C-B
DI49_2894; YJL128C	DI49_2894		YJL128C
DI49_2893; YJL129C	DI49_2893		YJL129C
DI49_2892; YJL130C	DI49_2892		YJL130C
DI49_2891; YJL131C	DI49_2891		YJL131C
SPGP0BK02800; YJL132W		SPGP0BK02800	YJL132W
DI49_2890; YJL133W	DI49_2890		YJL133W
DI49_2889; YJL133C-A; DI49_2888; YJL134W	DI49_2889; DI49_2888		YJL133C-A; YJL134W
DI49_2885; DI49_3430	DI49_2885; DI49_3430		
DI49_2882; YJL143W; DI49_2881; YJL144W	DI49_2882; DI49_2881		YJL143W; YJL144W
DI49_2879; YJL146W; DI49_2878; YJL147C	DI49_2879; DI49_2878		YJL146W; YJL147C
DI49_2876; YJL149W; DI49_2875; YJL151C	DI49_2876; DI49_2875		YJL149W; YJL151C
DI49_2873; YJL154C	DI49_2873		YJL154C
DI49_2872; YJL155C; DI49_2871; YJL156C	DI49_2872; DI49_2871		YJL155C; YJL156C

SPGP0BK03040; YKL164C; YKL163W; SPGP0G00450

DI49\_2868; YJL159W; DI49\_2867

DI49\_2865; YJL162C; DI49\_2864; YJL163C

DI49\_2862; YJL165C

DI49\_2861; YJL166W

DI49\_2860; YJL167W

DI49\_2859; YJL168C; DI49\_2858; YJL170C

DI49\_2856; YJL172W; DI49\_2855; YJL173C

DI49\_2853; YJL176C

DI49\_2852; YJL177W; DI49\_2851; YJL178C

DI49\_2849; YJL180C; DI49\_2848; YJL181W

DI49\_2846; DI49\_2847

DI49\_2844; YJL186W; DI49\_2843; YJL187C

DI49\_2841; YJL190C

DI49\_2839; YJL192C

DI49\_2838; YJL193W; DI49\_2837; YJL194W

DI49\_2835; DI49\_2836

DI49\_2832; YJL200C

DI49\_2831; YJL201W; DI49\_2830; YJL203W

SPGP0BK03430; DI49\_2829

SPGP0BK03450; YJL207C; DI49\_2828; YJL208C

DI49\_2826; YJL209W; DI49\_2825; YJL210W

SPGP0BK03510; DI49\_2824

DI49\_1920; SPGP0BLtrna24V

DI49\_1490; DI49\_1919

DI49\_1492; DI49\_1491

YHR207C; YHR206W

YHR209W; YHR208W

SPGP0BO00160; YAL063C; SPGP0BQ00100; YKL201C

YBR293W; DI49\_1315

YBR284W; YBR285W

YBR278W; YBR279W

YBR271W; YBR272C

YBR269C; YBR270C

YBR262C; YBR263W

YBR257W; YBR258C

YBR253W; YBR254C

YBR251W; YBR252W

YBR231C; YBR233W

YBR217W; YBR218C

DI49\_2868; DI49\_2867

DI49\_2865; DI49\_2864

DI49\_2862

DI49\_2861

DI49\_2860

DI49\_2859; DI49\_2858

DI49\_2856; DI49\_2855

DI49\_2853

DI49\_2852; DI49\_2851

DI49\_2849; DI49\_2848

DI49\_2846; DI49\_2847

DI49\_2844; DI49\_2843

DI49\_2841

DI49\_2839

DI49\_2838; DI49\_2837

DI49\_2835; DI49\_2836

DI49\_2832

DI49\_2831; DI49\_2830

DI49\_2829

DI49\_2828

DI49\_2826; DI49\_2825

DI49\_2824

DI49\_1920

DI49\_1490; DI49\_1919

DI49\_1492; DI49\_1491

DI49\_1315

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YJL159W

YJL162C; YJL163C

YJL165C

YJL166W

YJL167W

YJL168C; YJL170C

YJL172W; YJL173C

YJL176C

YJL177W; YJL178C

YJL180C; YJL181W

YJL186W; YJL187C

YJL190C

YJL192C

YJL193W; YJL194W

YJL200C

YJL201W; YJL203W

YJL207C; YJL208C

YJL209W; YJL210W

YHR207C; YHR206W

YHR209W; YHR208W

YAL063C; YKL201C

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YBR271W; YBR272C

YBR269C; YBR270C

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YBR257W; YBR258C

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YBR251W; YBR252W

YBR231C; YBR233W

YBR217W; YBR218C

YBR211C; YBR212W		YBR211C; YBR212W
YBR200W; YBR201W		YBR200W; YBR201W
YBR198C; YBR199W		YBR198C; YBR199W
YBR193C; YBR194W		YBR193C; YBR194W
YBR188C; YBR189W		YBR188C; YBR189W
YBR186W; YBR187W		YBR186W; YBR187W
YBR184W; YBR185C		YBR184W; YBR185C
YBR182C; YBR183W		YBR182C; YBR183W
YBR180W; YBR181C		YBR180W; YBR181C
YBR177C; YBR179C		YBR177C; YBR179C
YBR175W; YBR176W		YBR175W; YBR176W
YBR162C; YBR162W-A		YBR162C; YBR162W-A
YBR160W; DI49_1187	DI49_1187	YBR160W
YBR148W; YBR149W		YBR148W; YBR149W
YBR142W; YBR143C		YBR142W; YBR143C
YBR129C; YBR130C		YBR129C; YBR130C
YBR120C; YBR121C		YBR120C; YBR121C
YBR115C; DI49_1147	DI49_1147	YBR115C
YBR110W; YBR111C		YBR110W; YBR111C
YBR108W; YBR109C		YBR108W; YBR109C
YBR103W; YBR104W		YBR103W; YBR104W
YBR101C; YBR102C		YBR101C; YBR102C
YBR085C-A; YBR086C		YBR085C-A; YBR086C
YBR071W; YBR072W		YBR071W; YBR072W
YBR064W; YBR065C		YBR064W; YBR065C
YBR061C; DI49_1094; YBR060C	DI49_1094	YBR061C; YBR060C
YBR058C-A; YBR059C		YBR058C-A; YBR059C
YBR057C; YBR058C		YBR057C; YBR058C
YBR033W; YBR034C		YBR033W; YBR034C
YBR022W; YBR023C		YBR022W; YBR023C
YBR020W; YBR021W		YBR020W; YBR021W
YBR018C; YBR019C		YBR018C; YBR019C
YBR016W; YBR017C		YBR016W; YBR017C
YBR014C; YBR015C		YBR014C; YBR015C
YBL001C; YBR001C		YBL001C; YBR001C
YBL014C; YBL013W		YBL014C; YBL013W
SPGP0F03150; YBL026W		YBL026W
YBL034C; YBL033C		YBL034C; YBL033C
YBL036C; YBL035C		YBL036C; YBL035C
YBL049W; YBL047C		YBL049W; YBL047C
	SPGP0F03150	

YBL059W; YBL058W			YBL059W; YBL058W
YBL060W; YBL059C-A			YBL060W; YBL059C-A
YBL069W; YBL068W			YBL069W; YBL068W
YBL084C; YBL082C			YBL084C; YBL082C
YBL098W; YBL097W			YBL098W; YBL097W
SPGP0Ftrna10F; SPGP0Htrna14F; YBL101C; YMR042W		SPGP0Ftrna10F; SPGP0Htrna14F	YBL101C; YMR042W
YBL103C; YBL102W			YBL103C; YBL102W
DI49_1964; DI49_1965	DI49_1964; DI49_1965		
SPGP0BT00100; SPGP0BU00100; DI49_3844; DI49_1996	DI49_3844; DI49_1996	SPGP0BT00100; SPGP0BU00100	
SPGP0BT00120; DI49_1997; DI49_3846; DI49_1998	DI49_1997; DI49_3846; DI49_1998	SPGP0BT00120	
DI49_2000; DI49_1999	DI49_2000; DI49_1999		
DI49_2005; DI49_2004	DI49_2005; DI49_2004		
YKL193C; YKL194C			YKL193C; YKL194C
YKL191W; YKL192C			YKL191W; YKL192C
YKL184W; YKL185W			YKL184W; YKL185W
YKL174C; YKL175W			YKL174C; YKL175W
YKL172W; YKL173W			YKL172W; YKL173W
YKL170W; YKL171W			YKL170W; YKL171W
YKL167C; YKL168C			YKL167C; YKL168C
YKL161C; YKL162C			YKL161C; YKL162C
YKL159C; YKL160W			YKL159C; YKL160W
YKL149C; YKL150W			YKL149C; YKL150W
YKL139W; YKL140W			YKL139W; YKL140W
YKL134C; YKL135C			YKL134C; YKL135C
YKL132C; YKL133C			YKL132C; YKL133C
YKL108W; YKL109W			YKL108W; YKL109W
YKL098W; YKL099C			YKL098W; YKL099C
YKL095W; DI49_3280	DI49_3280		YKL095W
YKL091C; YKL092C			YKL091C; YKL092C
YKL085W; YKL086W			YKL085W; YKL086W
YIR019C; YKL080W			YIR019C; YKL080W
YIR022W; YIR021W			YIR022W; YIR021W
YIR024C; YIR023W			YIR024C; YIR023W
YIR026C; YIR025W			YIR026C; YIR025W
YIR029W; DI49_2808; YIR030C	DI49_2808		YIR029W; YIR030C
YIR032C; YIR031C			YIR032C; YIR031C
YIR037W; YIR036C			YIR037W; YIR036C
YIR039C; YIR038C			YIR039C; YIR038C
DI49_3497; SPGP0CB00300	DI49_3497	SPGP0CB00300	
DI49_3499; DI49_3498	DI49_3499; DI49_3498		

DI49_1645; DI49_1644	DI49_1645; DI49_1644		
DI49_1647; DI49_1646	DI49_1647; DI49_1646		
DI49_1615; DI49_1616	DI49_1615; DI49_1616		
DI49_1613; DI49_1614	DI49_1613; DI49_1614		
DI49_1611; DI49_1612	DI49_1611; DI49_1612		
DI49_1609; DI49_1610	DI49_1609; DI49_1610		
SPGP0CF00190; DI49_2277; SPGP0CG00100	DI49_2277	SPGP0CF00190; SPGP0CG00100	
DI49_3975; DI49_3976	DI49_3975; DI49_3976		
DI49_3973; DI49_3974	DI49_3973; DI49_3974		
DI49_3981; DI49_3982	DI49_3981; DI49_3982		
DI49_3979; DI49_3980	DI49_3979; DI49_3980		
YML025C; SPGP0H00300		SPGP0H00300	YML025C
YML023C; YML024W			YML023C; YML024W
YML020W; DI49_4069; YML019W	DI49_4069		YML020W; YML019W
SPGP0H00390; YML018C		SPGP0H00390	YML018C
YML015C; YML016C			YML015C; YML016C
YML013W; YML014W			YML013W; YML014W
YML011C; YML012W			YML011C; YML012W
YMR002W; DI49_4090; YMR003W	DI49_4090		YMR002W; YMR003W
YMR005W; YMR004W			YMR005W; YMR004W
SPGP0H00630; YMR008C		SPGP0H00630	YMR008C
YMR018W; YMR017W			YMR018W; YMR017W
YMR033W; YMR032W			YMR033W; YMR032W
YMR035W; YMR034C			YMR035W; YMR034C
YMR037C; YMR036C			YMR037C; YMR036C
YMR039C; YMR038C			YMR039C; YMR038C
YMR041C; YMR040W			YMR041C; YMR040W
YMR047C; DI49_4135; YMR048W	DI49_4135		YMR047C; YMR048W
YMR054W; DI49_4144; YMR055C	DI49_4144		YMR054W; YMR055C
YMR064W; YMR063W			YMR064W; YMR063W
YMR074C; YMR073C			YMR074C; YMR073C
YMR079W; YMR078C			YMR079W; YMR078C
YMR081C; YMR080C			YMR081C; YMR080C
YMR086W; DI49_4174; YMR087W	DI49_4174		YMR086W; YMR087W
YMR092C; YMR091C			YMR092C; YMR091C
YMR094W; DI49_4182; YMR095C	DI49_4182		YMR094W; YMR095C
YMR097C; YMR096W			YMR097C; YMR096W
YMR099C; DI49_4188; YMR100W	DI49_4188		YMR099C; YMR100W
YMR102C; DI49_4191; YMR104C	DI49_4191		YMR102C; YMR104C
YMR106C; YMR105C			YMR106C; YMR105C

YMR112C; YMR111C			YMR112C; YMR111C
YMR125W; DI49_4214; YMR126C	DI49_4214		YMR125W; YMR126C
SPGP0H01760; DI49_4218; YMR130W	DI49_4218	SPGP0H01760	YMR130W
YMR132C; YMR131C			YMR132C; YMR131C
YMR134W; YMR133W			YMR134W; YMR133W
YMR136W; YMR135C			YMR136W; YMR135C
YMR138W; YMR137C			YMR138W; YMR137C
YMR140W; YMR139W			YMR140W; YMR139W
YMR146C; DI49_4231; YMR147W	DI49_4231		YMR146C; YMR147W
YMR149W; YMR148W			YMR149W; YMR148W
YMR152W; YMR150C			YMR152W; YMR150C
YMR154C; YMR153W			YMR154C; YMR153W
YMR156C; YMR155W			YMR156C; YMR155W
YMR158W; YMR157C			YMR158W; YMR157C
YMR162C; DI49_4246; YMR163C	DI49_4246		YMR162C; YMR163C
YMR169C; YMR170C			YMR169C; YMR170C
YMR174C; YMR173W			YMR174C; YMR173W
YMR177W; DI49_4260; YMR178W	DI49_4260		YMR177W; YMR178W
YMR180C; YMR179W			YMR180C; YMR179W
YMR182C; YMR181C			YMR182C; YMR181C
YMR184W; YMR183C			YMR184W; YMR183C
YMR187C; DI49_4270; YMR188C	DI49_4270		YMR187C; YMR188C
YMR190C; DI49_4273; YMR191W	DI49_4273		YMR190C; YMR191W
YMR193W; YMR192W			YMR193W; YMR192W
YMR197C; DI49_4281; YMR198W	DI49_4281		YMR197C; YMR198W
YMR205C; DI49_4289; YMR206W	DI49_4289		YMR205C; YMR206W
YMR208W; DI49_4292; YMR209C	DI49_4292		YMR208W; YMR209C
YMR211W; YMR210W			YMR211W; YMR210W
YMR213W; YMR212C			YMR213W; YMR212C
YMR215W; YMR214W			YMR215W; YMR214W
YMR232W; DI49_4316; YMR233W	DI49_4316		YMR232W; YMR233W
YMR251W-A; YMR251W			YMR251W-A; YMR251W
YMR265C; DI49_4349; YMR266W	DI49_4349		YMR265C; YMR266W
YMR268C; YMR267W			YMR268C; YMR267W
YMR281W; YMR280C			YMR281W; YMR280C
YMR283C; YMR282C			YMR283C; YMR282C
YMR284W; SPGP0Htrna13Y; SPGP0Htrna11Y; YJL046W		SPGP0Htrna13Y; SPGP0Htrna11Y	YMR284W; YJL046W
YMR286W; YMR285C			YMR286W; YMR285C
YMR288W; DI49_4375; YMR289W	DI49_4375		YMR288W; YMR289W

YMR291W; DI49_4378; YMR292W	DI49_4378		YMR291W; YMR292W
YMR294W; YMR293C			YMR294W; YMR293C
YMR296C; YMR295C			YMR296C; YMR295C
YMR298W; DI49_4385; YMR299C	DI49_4385		YMR298W; YMR299C
YMR305C; DI49_4392; SPGP0H03500	DI49_4392	SPGP0H03500	YMR305C
DI49_1957; DI49_5599	DI49_1957; DI49_5599		
DI49_1955; DI49_1956	DI49_1955; DI49_1956		
DI49_3931; DI49_1954	DI49_3931; DI49_1954		
YJR142W; YJR143C			YJR142W; YJR143C
YJR140C; YJR141W			YJR140C; YJR141W
YJR129C; YJR130C			YJR129C; YJR130C
YJR126C; YJR127C			YJR126C; YJR127C
YJR113C; YJR115W			YJR113C; YJR115W
YJR112W; YJR112W-A			YJR112W; YJR112W-A
YJR101W; YJR102C			YJR101W; YJR102C
YJR092W; YJR093C			YJR092W; YJR093C
YJR086W; YJR088C			YJR086W; YJR088C
YJR084W; YJR085C			YJR084W; YJR085C
YJR082C; YJR083C			YJR082C; YJR083C
YJR078W; YJR080C			YJR078W; YJR080C
YJR072C; YJR073C			YJR072C; YJR073C
YJR061W; YJR062C			YJR061W; YJR062C
YJR049C; YJR050W			YJR049C; YJR050W
YJR044C; YJR045C			YJR044C; YJR045C
YJR041C; YJR042W			YJR041C; YJR042W
YJR025C; YJR030C			YJR025C; YJR030C
YJR022W; YJR024C			YJR022W; YJR024C
YJR019C; YJR021C			YJR019C; YJR021C
YJR013W; YJR012C			YJR013W; YJR012C
YJR001W; YJR002W			YJR001W; YJR002W
YJL002C; YJL001W			YJL002C; YJL001W
YJL004C; YJL003W			YJL004C; YJL003W
YJL013C; YJL012C			YJL013C; YJL012C
YJL016W; YJL014W			YJL016W; YJL014W
YJL020C; YJL019W			YJL020C; YJL019W
YJL027C; YJL026W			YJL027C; YJL026W
YJL031C; YJL030W			YJL031C; YJL030W
YJL043W; YJL042W			YJL043W; YJL042W
YJL045W; YJL044C			YJL045W; YJL044C
YJL048C; YJL047C			YJL048C; YJL047C



YJL055W; YJL054W  
YJL057C; YJL056C  
YJL066C; YJL065C  
YJL069C; YJL068C  
YJL076W; YJL074C  
YJL082W; DI49\_2936  
YJL117W; YJL116C  
YJL121C; YJL118W  
YJL123C; YJL122W  
YJL137C; YJL136C  
YJL139C; YJL138C  
YJL184W; YJL183W  
YJL197W; YJL196C  
YJL199C; YJL198W  
YJL205C; YJL204C  
SPGP0I03280; YJL212C

DI49\_2936

SPGP0I03280

YJL055W; YJL054W  
YJL057C; YJL056C  
YJL066C; YJL065C  
YJL069C; YJL068C  
YJL076W; YJL074C  
YJL082W  
YJL117W; YJL116C  
YJL121C; YJL118W  
YJL123C; YJL122W  
YJL137C; YJL136C  
YJL139C; YJL138C  
YJL184W; YJL183W  
YJL197W; YJL196C  
YJL199C; YJL198W  
YJL205C; YJL204C  
YJL212C