

Table S1. Map of wheat obtained by simultaneous mapping of all markers, with correction of translocations by simulated annealing of ends.

| Marker | Recombination Fraction | Deletion Frequency | Name |
|--------|------------------------|--------------------|--------------|
| 23 | 2.131 | 68.811 | XksuH14-1A |
| 36 | 6.772 | 67.982 | XksuH9-1A |
| 22 | 19.543 | 61.302 | Xcmwg706-1A |
| 33 | 3.109 | 66.584 | Xbcd1889-1A |
| 31 | 3.109 | 69.838 | Xbcd808-1A.1 |
| 35 | 5.278 | 67.593 | Xbcd1930-1A |
| 20 | 5.481 | 65.890 | Xcmwg733-1A |
| 21 | 13.818 | 66.500 | Xbcd265-1A |
| 32 | 12.667 | 66.594 | XksuE3-1A |
| 34 | 22.102 | 59.568 | Xbcd808-1A.2 |
| 19 | 20.188 | 53.050 | Glu-A1 |
| 18 | 24.971 | 53.774 | Xcdo312-1A |
| 30 | 13.115 | 34.301 | Xbcd1407-1A |
| 17 | 12.214 | 44.000 | Xcdo473-1A |
| 13 | 1.036 | 49.875 | Xcdo98-1A |
| 15 | 1.046 | 48.857 | Xabg452-1A |
| 16 | 5.700 | 48.270 | Xwg605-1A |
| 14 | 2.235 | 59.235 | Xabg373-1A |
| 12 | 14.529 | 54.478 | Xbcd1072-1A |
| 11 | 6.706 | 52.529 | Xrz244-1A |
| 10 | 4.262 | 50.324 | Xcdo580-1A |
| 8 | 8.444 | 49.156 | XksuG9-1A |
| 9 | 8.444 | 52.460 | Xmwg67-1A |
| 29 | 7.321 | 52.294 | Xbcd98.2-1A |
| 7 | 9.589 | 48.425 | Xbcd98-1A.1 |
| 6 | 5.067 | 46.879 | XksuE18-1A |
| 5 | 8.143 | 44.660 | XGli3-1A |
| 4 | 19.000 | 40.303 | Xabc156-1A |
| 3 | 18.804 | 52.294 | Xcdo426-1A |
| 2 | 7.125 | 47.880 | XksuD14-1A.2 |
| 1 | 10.962 | 58.056 | XGli1-1A |
| 0 | 36.224 | 61.222 | XksuD14-1A.1 |
| 1152 | 6.453 | 66.584 | Xbcd1184-2A |
| 1149 | 2.111 | 63.333 | Xfbb329-2A |
| 1151 | 2.235 | 66.327 | Xfba272-2A |
| 1150 | 13.412 | 62.588 | Xfba300-2A |
| 1147 | 0.000 | 65.444 | Xfba198-2A |
| 1148 | 33.682 | 65.444 | Xfba178-2A |
| 1987 | 33.844 | 48.094 | Xcn16-7D |
| 1002 | -- | 61.750 | Xcn16 |

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| | | | |
| 38 | 6.129 | 57.000 | XksuE11-1A.2 |
| 28 | 6.641 | 60.226 | Xwg241-1A |
| 27 | 3.288 | 69.838 | Xcdo393-1A |
| 26 | 9.806 | 70.981 | XksuE11-1A.1 |
| 25 | 18.387 | 69.091 | Xmwg912-1A |
| 24 | 11.943 | 65.143 | Xmwg632-1A |
| 37 | -- | 60.054 | Xcdo1160-1A |
| | | | |
| 70 | 4.222 | 53.339 | XGli1-1B |
| 39 | 9.030 | 47.416 | XksuD14-1B |
| 72 | 18.136 | 50.294 | Xwhs179-1B |
| 40 | 7.277 | 54.625 | Xmwg938-1B |
| 74 | 9.212 | 57.514 | Xcdo388-1B |
| 73 | 1.326 | 43.588 | Xmwg68-1B |
| 75 | 1.253 | 45.355 | Xabc156-1B |
| 41 | 3.138 | 46.216 | XGli3-1B-1B |
| 76 | 6.162 | 45.804 | XksuF43-1B.1 |
| 42 | 4.560 | 38.679 | XksuF43-1B.2 |
| 43 | 2.303 | 38.000 | XksuE18-1B |
| 79 | 21.714 | 46.636 | XksuE19-1B |
| 87 | 14.250 | 49.156 | Xbcd386-1B |
| 90 | 8.341 | 46.699 | Xcmwg645-1B |
| 54 | 1.036 | 47.416 | Xbcd12-1B |
| 88 | 3.677 | 48.270 | Xcdo278-1B |
| 91 | 2.452 | 47.298 | Xcmwg758-1B |
| 84 | 5.044 | 47.416 | Xbcd1449-1B |
| 86 | 2.111 | 51.000 | Xmwg837-1B.2 |
| 52 | 4.515 | 48.556 | Xwg605-1B |
| 83 | 14.929 | 40.868 | Xabg373-1B |
| 77 | 10.857 | 33.303 | Xbcd340-1B |
| 44 | 4.471 | 51.623 | Nor-B1 |
| 81 | 4.515 | 49.745 | Xbcd1796-1B |
| 82 | 4.957 | 51.029 | Xcdo1340-1B |
| 48 | 3.420 | 49.020 | Xcdo127-1B |
| 46 | 1.046 | 49.434 | Xcdo618-1B |
| 45 | 4.222 | 47.064 | Xcdo1173-1B |
| 47 | 3.109 | 52.929 | Xbcd762-1B |
| 49 | 0.000 | 50.324 | Xwg811-1B |
| 50 | 1.018 | 49.875 | Xbcd200-1B |
| 53 | 1.075 | 50.442 | Xcdo98-1B |
| 85 | 2.151 | 51.623 | Xcdo92-1B |
| 51 | 11.505 | 50.000 | Xbcd338-1B |
| 80 | 30.611 | 47.064 | Xrz166-1B |
| 89 | 17.944 | 45.398 | Xglk136-1B |
| 55 | 15.935 | 53.339 | Xcdo637-1B |
| 56 | 7.953 | 64.639 | Xbcd1150-1B.1 |

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| 92 | 9.402 | 55.307 | Glu-B1 |
| 57 | 15.057 | 43.527 | Xbcd1150-1B.2 |
| 58 | 12.436 | 46.636 | Xcmwg733-1B |
| 59 | 18.159 | 40.354 | Xbcd442-1B |
| 93 | 3.000 | 42.000 | Xbcd441-1B |
| 60 | 5.481 | 43.000 | Xbcd304-1B |
| 94 | 2.280 | 37.269 | Xmwg69-1B |
| 61 | 10.556 | 39.743 | XksuG34-1B |
| 96 | 31.189 | 48.857 | XksuE11-1B.1 |
| 95 | 4.560 | 44.333 | Xbcd1562-1B |
| 62 | 9.402 | 46.245 | Xbcd508-1B |
| 63 | 1.140 | 50.913 | Xbcd1514-1B |
| 64 | 0.000 | 53.405 | Xbcd1261-1B |
| 65 | 21.111 | 53.405 | Xcdo1189-1B |
| 66 | 23.009 | 57.514 | Xcdo346-1B |
| 69 | 4.108 | 52.929 | XksuI27-1B |
| 68 | 2.280 | 54.478 | XksuE11-1B.2 |
| 67 | 33.394 | 60.420 | Xmwg912-1B |
| 2004 | -- | 54.964 | Xbcd1230-4A |
| | | | |
| 123 | 11.068 | 39.086 | Xbcd508-1D |
| 112 | 6.577 | 47.243 | Xbcd1261-1D |
| 124 | 22.562 | 51.623 | Xcmwg693-1D |
| 125 | 18.816 | 56.447 | Xcdo1420-1D |
| 113 | 3.027 | 42.000 | XksuE11-1D |
| 114 | 7.062 | 43.381 | XksuI27-1D.1 |
| 115 | 8.367 | 48.425 | XksuI27-1D.2 |
| 116 | 38.717 | 49.745 | Xwg241-1D |
| 1298 | -- | 55.964 | Xfba311-2D |
| | | | |
| 166 | 19.000 | 53.469 | XksuG5-2A |
| 658 | 0.000 | 53.891 | Xfba276-5B |
| 171 | 10.364 | 53.891 | Xfba276-2A |
| 170 | 11.097 | 50.000 | Xbcd1095-2A |
| 169 | 8.071 | 49.434 | XksuD22-2A |
| 168 | 4.145 | 49.000 | XksuE16-2A |
| 167 | 6.453 | 53.891 | Xfbb284-2A |
| 164 | 2.151 | 53.774 | Xfbb353-2A |
| 165 | 16.582 | 53.000 | Xbcd543-2A |
| 163 | 12.436 | 51.818 | Xfbb212-2A |
| 159 | 9.589 | 44.786 | Xrz395-2A |
| 152 | 15.057 | 54.385 | Xwsu1-2A |
| 151 | 11.505 | 41.081 | Xbcd152-2A |
| 162 | 4.145 | 47.839 | Xcdo1376-2A |
| 157 | 1.086 | 50.893 | Xbcd161-2A |
| 156 | 2.131 | 51.140 | Xcdo405-2A |
| 158 | 2.591 | 51.000 | Xbcd855-2A |

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| 153 | 3.000 | 49.227 | Xcdo1281-2A |
| 154 | 2.192 | 53.774 | Xfba106-2A |
| 161 | 0.000 | 54.889 | Xfba374-2A |
| 160 | 0.000 | 57.000 | Xfbb359-2A |
| 155 | 10.364 | 54.478 | Xbcd1688-2A |
| 150 | 23.222 | 49.745 | Xfbb226-2A |
| 149 | 6.453 | 47.416 | Xbcd1184-2A |
| 146 | 2.111 | 50.667 | Xfbb329-2A |
| 148 | 2.235 | 47.673 | Xfba272-2A |
| 147 | 13.412 | 51.412 | Xfba300-2A |
| 144 | 0.000 | 48.556 | Xfba198-2A |
| 145 | 23.222 | 48.556 | Xfba178-2A |
| 142 | 9.000 | 51.000 | XksuD18-2A |
| 135 | 3.000 | 48.000 | Xbcd718-2A |
| 136 | 3.167 | 47.000 | Xcdo57-2A |
| 139 | 0.000 | 44.333 | Xbcd1970-2A |
| 140 | 0.000 | 50.667 | Xfbb61-2A |
| 137 | 0.000 | 39.652 | Xcdo1090-2A |
| 143 | 2.151 | 51.623 | Xfba280-2A |
| 141 | 2.151 | 49.472 | Xfbb289-2A |
| 138 | 8.291 | 47.673 | Xfbb72-2A |
| 134 | 12.436 | 39.000 | Xbcd348-2A.2 |
| 133 | 35.236 | 51.818 | Xfba70-2A.2 |
| 735 | 7.980 | 57.000 | Xpsr167-6A |
| 736 | 3.843 | 61.385 | Xbcd342-6A |
| 737 | 7.435 | 57.000 | Xpsr889-6A |
| 738 | 5.588 | 50.893 | Xbcd1821-6A |
| 739 | 2.923 | 49.806 | Xbcd21-6A |
| 740 | 4.851 | 52.306 | Xcdo476-6A |
| 264 | 2.111 | 52.778 | Xfba65-2D |
| 741 | 4.385 | 51.818 | Xfba65-6A |
| 744 | 6.706 | 43.019 | Xfbb194-6A |
| 743 | 4.302 | 45.170 | Xfbb147-6A |
| 742 | 12.906 | 44.333 | Xfbb209-6A |
| 745 | 6.706 | 53.774 | Xfba307-6A |
| 746 | 5.377 | 64.255 | Xpsr8(Cxp3)-6A |
| 750 | 2.092 | 64.255 | Xmwig67-6A |
| 749 | 10.364 | 62.549 | XksuG48-6A |
| 748 | 4.222 | 46.821 | Xfbb166-6A |
| 747 | 16.432 | 61.622 | Xcmwig652-6A |
| 751 | 21.375 | 55.487 | Xpsr10(Gli-2)-6A |
| 752 | 10.364 | 55.487 | XksuH4-6A |
| 753 | 0.000 | 44.786 | Xfba85-6A |
| 754 | 26.681 | 44.786 | Xfba152-6A |
| 991 | 16.931 | 62.481 | Xcdo775-7D |
| 989 | 9.306 | 59.568 | Xwg719-7D |
| 990 | 25.080 | 69.294 | Xfbb112-7D |

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| 988 | 29.556 | 64.566 | Xbcd707-7D |
| 987 | 37.174 | 66.327 | Xfba377-7D |
| 986 | -- | 55.371 | Xrz2-7D |
| | | | |
| 181 | 25.333 | 60.109 | XksuF11-2A |
| 172 | 11.633 | 42.537 | Xpsr934-2A |
| 176 | 2.850 | 53.200 | XksuF41-2A |
| 174 | 3.353 | 55.340 | Xcdo678-2A |
| 175 | 6.218 | 53.891 | Xcdo1410-2A |
| 177 | 6.706 | 56.000 | Xbcd292-2A |
| 178 | 3.353 | 60.353 | Xbcd410-2A |
| 179 | 10.556 | 57.504 | XksuH16-2A |
| 180 | 6.453 | 51.818 | Xfba8-2A |
| 182 | 15.960 | 53.774 | Xfba314-2A |
| 173 | 38.000 | 51.412 | Xfba385-2A |
| 1643 | 13.412 | 54.432 | Xrz395-5A |
| 1646 | 4.560 | 60.353 | Xfbb199-5A |
| 1648 | 8.941 | 55.882 | Xfbb209-5A |
| 1647 | 10.962 | 53.891 | Xfba351-5A |
| 1645 | 11.176 | 50.423 | Xfba68-5A |
| 1644 | 38.717 | 58.018 | Xcdo1326-5A |
| 1653 | 7.528 | 55.402 | Xabg366-5A |
| 1652 | 3.109 | 59.036 | Xcdo1312-5A |
| 1651 | 5.278 | 57.000 | Xbcd1235-5A.2 |
| 1649 | 2.235 | 59.073 | Xabg391-5A |
| 1650 | 11.875 | 62.377 | Xcdo457-5A |
| 1658 | 11.176 | 65.769 | Xfbb330-5A |
| 1654 | 13.959 | 69.294 | Xfbb249-5A |
| 1655 | 3.109 | 54.927 | Xcdo20-5A |
| 1657 | 2.036 | 54.000 | Xwg114-5A |
| 1656 | 26.400 | 54.964 | Xcdo1528-5A |
| 1659 | 35.286 | 51.062 | Xmwig2112-5A |
| 256 | 25.333 | 65.143 | Xfba272-2D |
| 442 | 23.471 | 67.059 | Xfbb274-3B |
| 465 | 0.000 | 55.324 | Xgwm71-3D |
| 467 | 0.000 | 50.423 | Xfbb278-3D |
| 466 | 3.738 | 52.615 | XgbxG265-3D |
| 464 | 4.560 | 52.019 | Xbcd907-3D |
| 468 | 0.000 | 46.444 | Xfbb370-3D |
| 469 | 0.000 | 58.900 | Xgwm161-3D |
| 470 | 2.923 | 48.231 | Xfba190-3D |
| 463 | 21.976 | 50.214 | Xbcd1802-3D |
| 462 | 38.717 | 54.964 | Xcdo549-3D |
| 882 | 10.260 | 50.667 | XksuE14-6D |
| 885 | 8.489 | 49.943 | Xbcd1319-6D |
| 883 | 11.515 | 54.765 | XksuD1-6D |
| 884 | 25.333 | 57.000 | Xcdo836-6D |

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| 886 | 30.265 | 55.000 | Xbcd1510-6D |
| 887 | 4.222 | 50.442 | XksuD27-6D |
| 888 | 0.000 | 60.109 | Xfbb59-6D |
| 889 | 15.057 | 59.036 | Xfbb70-6D |
| 890 | 36.524 | 43.135 | Xmwg2053-6D |
| 1100 | 15.802 | 64.528 | XGli1-1D |
| 1120 | 5.327 | 59.111 | Xwhs179-1D.1 |
| 1101 | 4.071 | 50.442 | XksuD14-1D.1 |
| 1102 | 1.018 | 54.478 | Xbcd1434-1D |
| 1103 | 8.523 | 56.496 | XksuD14-1D.2 |
| 1104 | 6.333 | 51.722 | Xmwg938-1D |
| 1121 | 13.029 | 49.000 | Xwhs179-1D.2 |
| 1106 | 3.403 | 58.629 | Xcnl7-1D |
| 1074 | 0.000 | 59.478 | Xmwg837-1B.1 |
| 1105 | 10.364 | 59.478 | Xmwg837-1D |
| 1107 | -- | 60.661 | Xabc156-1D |
| | | | |
| 332 | 36.812 | 33.250 | Xbcd1145-3A |
| 350 | 7.321 | 48.000 | Xmwg30-3A |
| 349 | 35.625 | 50.202 | Xbcd372-3A |
| 557 | 10.962 | 48.231 | Xfbb114-4A |
| 556 | 10.364 | 47.673 | Xfba282-4A |
| 555 | 4.183 | 49.434 | Xtam72-4A |
| 554 | 13.282 | 48.709 | Xcdo545-4A |
| 553 | 15.346 | 49.009 | Xcdo665-4A |
| 552 | 8.291 | 55.964 | Xfbb154-4A |
| 551 | 4.302 | 51.818 | Xfba231-4A |
| 550 | 7.458 | 46.821 | Xbcd130-4A |
| 549 | 9.589 | 47.500 | XksuD9-4A |
| 548 | 6.218 | 52.460 | Xcdo475-4A |
| 547 | 5.534 | 45.189 | Xcdo780-4A |
| 546 | 11.875 | 51.623 | Xmwg710-4A |
| 545 | 2.073 | 55.964 | Xfba4-4A |
| 544 | 5.481 | 48.000 | Xbcd1670-4A |
| 543 | 2.280 | 43.846 | Xpsr115-4A |
| 542 | 7.673 | 50.075 | Xabg390-4A |
| 541 | 21.235 | 47.321 | Xmwg549-4A |
| 540 | 33.957 | 60.661 | XksuE3-4A |
| 509 | 16.979 | 60.490 | Xfbb117-3D |
| 510 | 2.192 | 54.808 | Xfbb147-3D |
| 511 | 7.125 | 51.818 | Xfbb269-3D |
| 515 | 2.426 | 56.436 | Xgwm3-3D |
| 514 | 6.840 | 57.000 | Xfbb316-3D |
| 516 | 11.176 | 59.111 | Xksue14-3D |
| 512 | 0.000 | 49.745 | Xfba027-3D |
| 513 | 9.306 | 50.667 | Xfba389-3D |
| 506 | 4.800 | 57.553 | Xgwm314-3D |

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| 507 | 8.941 | 51.029 | Xbcd361-3D |
| 508 | 7.125 | 43.019 | Xfba310-3D |
| 500 | 10.857 | 47.048 | Xgbx3864-3D |
| 503 | 19.000 | 51.484 | Xgwm383-3D |
| 504 | 10.364 | 51.818 | Xksud19-3D |
| 505 | 15.981 | 55.487 | Xksuh15-3D |
| 502 | 10.654 | 51.722 | Xbcd515-3D |
| 501 | 5.135 | 53.469 | Xwg110-3D |
| 499 | 4.302 | 57.514 | Xbcd1555-3D |
| 497 | 4.302 | 52.778 | Xbcd372-3D |
| 498 | 7.901 | 54.964 | Xbcd22-3D |
| 496 | 6.840 | 57.553 | Xgwm664-3D |
| 494 | 2.280 | 49.745 | Xfba330-3D |
| 495 | 14.951 | 55.904 | Xgwm645-3D |
| 493 | 3.455 | 47.642 | XgbxR187-3D |
| 492 | 0.000 | 40.235 | Xfbb237-3D |
| 491 | 12.906 | 40.111 | Xfbb023-3D |
| 488 | 12.324 | 46.821 | Xcdo1406-3D |
| 486 | 8.291 | 49.297 | Xabc176-3D |
| 487 | 14.710 | 51.818 | XgbxG305-3D |
| 490 | 10.755 | 49.472 | Xfba159-3D |
| 489 | 33.778 | 58.541 | Xbcd288-3D |
| 483 | 8.769 | 43.527 | Xbcd134-3D |
| 482 | 3.167 | 46.941 | Xgwm456-3D |
| 485 | 0.000 | 54.808 | Xgwm52-3D |
| 481 | 0.000 | 63.840 | Xgwm497-3D |
| 484 | 3.677 | 52.440 | Xfbb324-3D |
| 480 | 5.344 | 55.219 | Xgwm341-3D |
| 479 | 24.182 | 51.911 | Xmwg688-3D |
| 478 | 8.341 | 61.560 | Xksua6-3D |
| 477 | 4.560 | 51.412 | Xgwm2-3D |
| 476 | 7.125 | 54.964 | Xcdo407-3D |
| 475 | 6.453 | 53.000 | Xmwg22-3D |
| 474 | 5.377 | 55.925 | Xcdo1435-3D |
| 473 | 6.218 | 62.549 | Xbcd1532-3D |
| 472 | 17.538 | 49.745 | Xfba241-3D |
| 471 | 34.898 | 57.000 | Xfba091-3D |
| 692 | 6.577 | 54.808 | Xfbb237-5B |
| 693 | 2.151 | 51.818 | Xfba166-5B |
| 691 | 2.478 | 49.472 | Xfba348-5B |
| 690 | 5.429 | 55.925 | Xwg583-5B |
| 689 | 10.179 | 53.469 | Xbcd9-5B |
| 688 | 10.784 | 57.504 | Xbcd307-5B |
| 687 | 24.182 | 50.160 | Xmwg914-5B |
| 694 | 2.073 | 43.527 | Xfba332-5B |
| 695 | 11.097 | 48.000 | Xbcd1030-5B |
| 696 | 3.054 | 46.407 | Xbcd450-5B |

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| 697 | 23.411 | 42.372 | Xcdo504-5B |
| 699 | 4.385 | 44.786 | Xcdo1326-5B |
| 698 | 2.375 | 40.868 | Xfbb328-5B |
| 700 | 9.120 | 50.667 | Xcdo348-5B |
| 702 | 8.444 | 41.455 | Xfba351-5B |
| 701 | 26.308 | 41.835 | Xcdo584-5B |
| 703 | 30.113 | 38.717 | Xfbb323-5B |
| 299 | 2.111 | 53.891 | Xfbb370-3A |
| 298 | 14.388 | 54.336 | Xglk683-3A |
| 297 | 21.963 | 47.064 | Xbcd15-3A |
| 301 | 9.030 | 58.000 | Xtam61-3A |
| 300 | 15.458 | 53.050 | Xtam47-3A |
| 304 | 10.000 | 54.369 | Xgwm369-3A |
| 302 | 6.453 | 55.904 | Xcdo460-3A |
| 303 | 16.889 | 54.889 | Xfba366-3A |
| 305 | 17.208 | 57.000 | Xfba091-3A |
| 308 | 2.054 | 52.378 | Xabg471-3A |
| 309 | 1.018 | 51.000 | Xcdo1345-3A |
| 310 | 5.938 | 50.893 | Xbcd1823-3A |
| 306 | 6.404 | 48.186 | Xabg460-3A |
| 307 | 4.606 | 46.740 | Xcdo1164-3A |
| 313 | 1.009 | 52.460 | Xcdo1435-3A |
| 314 | 2.018 | 54.000 | Xmwg22-3A |
| 312 | 6.053 | 53.469 | Xbcd1532-3A |
| 311 | 16.734 | 57.504 | Xbcd706-3A |
| 318 | 8.400 | 52.855 | Xcdo638-3A |
| 317 | 5.700 | 50.667 | Xksua6-3A |
| 316 | 4.222 | 55.787 | XgbxG406-3A |
| 315 | 9.500 | 54.720 | Xgwm2-3A |
| 336 | 7.953 | 51.412 | Xgwm5-3A |
| 319 | 9.702 | 57.671 | Xpsr903-3A |
| 322 | 6.909 | 45.600 | Xgwm32-3A |
| 335 | 0.000 | 46.821 | Xfba127-3A |
| 320 | 7.862 | 49.645 | Xgwm30-3A |
| 333 | 13.412 | 41.654 | Xfba175-3A |
| 337 | 3.800 | 52.615 | Xfbb332-3A |
| 321 | 7.600 | 56.034 | Xgwm666-3A.1 |
| 331 | 13.680 | 60.353 | XgbxG034-3A |
| 327 | 11.297 | 44.786 | Xmwg802-3A |
| 330 | 4.183 | 51.911 | Xbcd366-3A |
| 324 | 4.302 | 52.378 | Xabg396-3A |
| 323 | 7.901 | 55.431 | XATPase-3A |
| 326 | 6.453 | 48.396 | Xcdo118-3A |
| 329 | 1.009 | 53.000 | Xcdo1174-3A |
| 328 | 7.600 | 53.469 | Xbcd828-3A |
| 325 | 14.870 | 52.114 | Xbcd1127-3A |
| 334 | 8.444 | 47.673 | Xfbb277-3A |

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| 346 | 3.054 | 54.478 | Xksuh2-3A |
| 345 | 3.027 | 52.460 | Xcdo281-3A |
| 347 | 7.189 | 56.000 | Xwg177-3A |
| 348 | 14.378 | 55.459 | Xbcd452-3A |
| 340 | 4.000 | 52.000 | Xtam33-3A |
| 342 | 2.151 | 56.000 | Xmwg961-3A |
| 341 | 7.355 | 47.321 | Xfbb271-3A |
| 338 | 9.500 | 41.115 | XgbxG499-3A |
| 344 | 2.073 | 51.911 | Xbcd2044-3A |
| 343 | 9.913 | 50.893 | Xbcd115-3A |
| 339 | 29.739 | 36.383 | Xfbb353-3A |
| 351 | 16.889 | 48.857 | Xmwg570-3A |
| 352 | 4.145 | 43.527 | Xfbb260-3A |
| 353 | 2.375 | 46.821 | Xfbb250-3A |
| 354 | 5.816 | 58.693 | Xwg184-3A |
| 355 | 6.706 | 52.294 | Xbcd1431-3A.1 |
| 705 | 4.302 | 43.019 | Xfbb322-5B |
| 356 | 9.500 | 44.786 | Xbcd1431-3A.2 |
| 357 | 8.341 | 47.500 | Xfbb293-3A.1 |
| 358 | 5.607 | 46.061 | Xgwm480-3A |
| 359 | 13.412 | 45.265 | Xgwm666-3A.2 |
| 360 | 25.080 | 48.231 | Xfba167-3A |
| 253 | 26.125 | 30.113 | Xfbb274-2D |
| 364 | 9.771 | 48.857 | Xgwm391-3A |
| 365 | 7.277 | 48.000 | Xbcd1773-3A |
| 362 | 4.851 | 46.085 | Xfbb293-3A.2 |
| 363 | 12.214 | 39.462 | Xfba347-3A |
| 361 | 29.419 | 56.034 | XgbxG242-3A |
| 1995 | 6.218 | 43.527 | Xfba69-7D |
| 1996 | 6.218 | 37.309 | Xfba264-7D |
| 1997 | 12.667 | 39.382 | Xfbb79-7D |
| 1998 | 12.667 | 50.893 | Xmwg975-7D |
| 2001 | 12.667 | 43.527 | Xfbb325-7D |
| 1999 | 17.047 | 51.451 | Xwg420-7D |
| 2000 | 36.480 | 49.611 | Xfba204-7D |
| 655 | 11.176 | 48.231 | Xfbb330-5A |
| 651 | 9.120 | 44.706 | Xfbb249-5A |
| 649 | 10.755 | 51.911 | Xcdo1312-5A |
| 650 | 9.865 | 58.598 | Xabg366-5A |
| 646 | 2.235 | 54.927 | Xabg391-5A |
| 647 | 4.385 | 50.547 | Xcdo457-5A |
| 648 | 14.250 | 57.000 | Xbcd1235-5A.2 |
| 654 | 4.071 | 60.000 | Xwg114-5A |
| 653 | 2.111 | 57.000 | Xcdo1528-5A |
| 652 | 24.516 | 59.073 | Xcdo20-5A |
| 656 | 35.286 | 62.938 | Xmwg2112-5A |
| 1259 | 25.333 | 48.857 | Xfba272-2D |

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|------|--------|--------|-------------|
| 1445 | -- | 46.941 | Xfbb274-3B |
| | | | |
| 374 | 33.682 | 48.688 | Xcdo482-3A |
| 375 | -- | 48.857 | Xbcd451-3A |
| | | | |
| 413 | 39.551 | 47.839 | Xmwg818-3B |
| 1176 | 15.960 | 62.588 | Xfba385-2A |
| 1185 | 6.453 | 60.226 | Xfba314-2A |
| 1183 | 10.556 | 62.182 | Xfba8-2A |
| 1182 | 2.235 | 56.496 | XksuH16-2A |
| 1181 | 4.471 | 52.529 | Xbcd410-2A |
| 1180 | 3.320 | 56.000 | Xbcd292-2A |
| 1177 | 2.235 | 58.660 | Xcdo678-2A |
| 1178 | 5.182 | 59.073 | Xcdo1410-2A |
| 1179 | 11.633 | 60.800 | XksuF41-2A |
| 1175 | 25.333 | 71.463 | Xpsr934-2A |
| 1184 | -- | 53.891 | XksuF11-2A |
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| 538 | 6.772 | 54.233 | Xwg622-4A |
| 537 | 9.120 | 54.964 | XksuG12-4A |
| 539 | 11.633 | 54.808 | Xfba65-4A |
| 536 | 8.769 | 58.598 | Xbcd8-4A |
| 535 | 14.400 | 51.062 | Xbcd402-4A |
| 534 | 9.161 | 59.522 | Xfba147-4A |
| 527 | 4.035 | 62.549 | Xbcd1738-4A |
| 525 | 1.018 | 58.000 | Xcdo959-4A |
| 526 | 4.071 | 55.982 | Xbcd1652-4A |
| 524 | 6.218 | 59.000 | Xcdo1387-4A |
| 522 | 0.000 | 55.964 | Xfbb227-4A |
| 523 | 2.151 | 55.925 | Xfba320-4A |
| 530 | 0.000 | 53.891 | Xfbb176-4A |
| 531 | 6.218 | 53.891 | Xfba359-4A |
| 529 | 7.255 | 53.000 | XksuF8-4A |
| 528 | 11.633 | 54.927 | Xrz574-4A |
| 532 | 4.302 | 49.472 | Xfba211-4A |
| 533 | 16.582 | 51.818 | Xfba43-4A |
| 521 | 8.444 | 53.271 | Xfba78-4A |
| 520 | 4.471 | 46.444 | Xfba40-4A |
| 519 | 17.538 | 54.808 | Xfbb332-4A |
| 518 | 38.000 | 51.818 | Xfbb1-4A |
| 796 | 10.022 | 59.478 | Xcdo476-6B |
| 795 | 12.667 | 58.513 | Xbcd342-6B |
| 794 | 33.957 | 59.615 | Xpsr167-6B |
| 797 | 15.200 | 66.990 | Xrz995-6B |
| 800 | 8.941 | 48.857 | Xtam60-6B |
| 798 | 6.980 | 49.297 | XksuH4-6B |
| 799 | 4.560 | 54.720 | Xfbb16-6B |

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| 801 | 12.214 | 54.964 | Xfba152-6B |
| 802 | 18.612 | 50.893 | Xfba357-6B |
| 803 | 17.449 | 56.447 | Nor-B2-6B |
| 810 | 6.840 | 52.778 | XksuH14-6B |
| 808 | 0.000 | 59.111 | Xfba345-6B |
| 807 | 0.000 | 60.226 | Xfba344-6B |
| 805 | 2.192 | 61.222 | Xfba328-6B |
| 806 | 4.222 | 67.556 | Xfba399-6B |
| 804 | 10.179 | 61.071 | Xfba67-6B |
| 813 | 2.111 | 59.036 | Xfba359-6B |
| 814 | 5.182 | 54.432 | Xbcd1495-6B |
| 812 | 2.111 | 47.839 | Xbcd1383-6B |
| 809 | 1.107 | 47.673 | Xglk479-6B |
| 811 | 6.000 | 47.321 | Xpsr141-6B |
| 818 | 1.390 | 51.439 | Xbcd102-6B |
| 815 | 2.054 | 56.496 | Xcdo524-6B |
| 817 | 1.754 | 57.514 | Xbcd1299-6B |
| 816 | 1.754 | 57.877 | Xcnl3-6B |
| 819 | 4.145 | 56.486 | Xbcd1716-6B |
| 820 | 16.582 | 58.018 | Xbcd357-6B |
| 821 | 24.873 | 42.108 | Xbcd1407-6B |
| 823 | 4.071 | 65.143 | Xbcd2014-6B |
| 822 | 6.577 | 61.071 | Xcdo507-6B |
| 824 | 19.404 | 59.111 | Xfbb364-6B |
| 826 | 7.052 | 51.818 | Xmwg934-6B |
| 825 | 6.218 | 57.000 | Xcdo341-6B |
| 827 | 7.773 | 52.929 | Xfbb164-6B |
| 828 | 5.182 | 59.822 | Xwg341-6B |
| 829 | 0.000 | 54.964 | Xfbb57-6B |
| 830 | 6.218 | 53.891 | Xfbb169-6B |
| 831 | 10.755 | 61.071 | Xfba42-6B |
| 835 | 9.306 | 58.075 | Xfbb130-6B |
| 836 | 4.471 | 60.353 | Xfbb377-6B |
| 834 | 4.222 | 59.036 | Xfba111-6B |
| 832 | 5.011 | 58.018 | XksuG30-6B |
| 833 | 25.024 | 53.283 | Xabg473-6B |
| 838 | 0.000 | 67.179 | Xfbb359-6B |
| 837 | 20.462 | 65.444 | Xfbb327-6B |
| 839 | 5.846 | 57.671 | Xmwg74-6B |
| 840 | 12.667 | 63.333 | Xfbb82-6B |
| 843 | 4.071 | 63.107 | Xfba251-6B |
| 841 | 0.000 | 63.107 | Xfbb70-6B |
| 842 | 6.333 | 63.107 | Xfbb59-6B |
| 844 | -- | 60.595 | Xmwg2053-6B |
| | | | |
| 565 | 12.324 | 48.857 | Xcdo795-4B |
| 569 | 1.009 | 50.442 | Xbcd2026-4B |

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| 571 | 2.036 | 50.000 | Xfba147-4B |
| 580 | 8.143 | 50.893 | Xbcd1051-4B |
| 578 | 3.288 | 55.000 | Xrz672-4B |
| 568 | 3.320 | 50.423 | Xcsu25-4B |
| 574 | 3.138 | 48.857 | Xbcd1262-4B |
| 573 | 0.000 | 46.216 | Xbcd749-4B |
| 566 | 0.000 | 45.600 | Xfbb121-4B |
| 567 | 2.280 | 45.600 | Xfba8-4B |
| 575 | 2.131 | 50.202 | Xcdo938-4B |
| 576 | 2.036 | 50.893 | Xabg484-4B |
| 579 | 2.235 | 52.000 | Xrz251-4B |
| 577 | 4.701 | 53.647 | Xwg110-4B |
| 570 | 12.416 | 53.271 | Xcdo1128-4B |
| 572 | 19.178 | 54.889 | Xbcd1250-4B |
| 581 | 8.769 | 47.839 | Xbcd1265-4B |
| 564 | 6.577 | 46.444 | Xfbb22-4B |
| 563 | 9.120 | 46.444 | Xfba78-4B |
| 583 | 3.211 | 52.986 | Xcn17-4B |
| 582 | 2.111 | 53.405 | Xcdo1401-4B |
| 586 | 0.000 | 49.745 | Xfbb178-4B |
| 585 | 0.000 | 54.889 | Xmwg2025-4B |
| 588 | 2.111 | 49.745 | Xfba41-4B |
| 587 | 2.192 | 50.667 | Xfbb58-4B |
| 589 | 0.000 | 57.514 | Xcdo1312-4B |
| 590 | 8.867 | 57.626 | XksuE2-4B |
| 592 | 1.075 | 50.442 | Xcdo1528-4B |
| 593 | 2.151 | 51.140 | Xwg114-4B |
| 591 | 0.000 | 52.929 | Xcdo20-4B |
| 594 | 7.277 | 46.531 | Xfbb182-4B |
| 584 | 20.520 | 54.336 | XksuG10-4B |
| 595 | 6.218 | 51.818 | Xfbb67-4B |
| 597 | 12.436 | 49.745 | Xfbb255-4B |
| 596 | 13.959 | 45.600 | Xfba177-4B |
| 598 | 32.571 | 57.000 | Xbcd402-4B |
| 1903 | 2.073 | 58.036 | Xfba311-7A |
| 1902 | 2.073 | 55.964 | Xfba321-7A |
| 1900 | 2.192 | 53.891 | Xfba17-7A |
| 1896 | 2.192 | 52.615 | Xfba93-7A |
| 1920 | 2.192 | 55.964 | Xfbb193-7A |
| 1894 | 3.386 | 57.000 | Xcdo545-7A |
| 1895 | 4.957 | 57.543 | Xbcd907-7A |
| 1897 | 6.980 | 46.531 | Xfbb121-7A |
| 1898 | 4.302 | 60.109 | Xfbb156-7A |
| 1899 | 2.151 | 58.075 | Xfbb278-7A |
| 1901 | 2.280 | 53.891 | Xfbb9-7A |
| 1904 | 31.920 | 47.880 | Xfba72-7A |
| 1905 | 16.582 | 60.109 | Xfba127-7A |

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| 1906 | 6.218 | 55.964 | Xfba109-7A |
| 1907 | 0.000 | 58.036 | Xfbb186-7A |
| 1908 | 14.509 | 58.036 | Xfbb67-7A |
| 1909 | 19.731 | 55.487 | Xcdo475-7A |
| 1910 | 18.424 | 67.314 | Xfba42-7A |
| 1911 | 28.500 | 83.389 | Xcdo1395-7A |
| 1912 | 17.538 | 71.509 | Xabc158-7A |
| 1913 | 21.509 | 62.377 | Xfba248-7A |
| 1914 | 18.655 | 62.182 | Xfba340-7A |
| 1919 | 4.222 | 68.400 | Xfbb343-7A |
| 1918 | 6.772 | 68.851 | Xcdo17-7A |
| 1916 | 1.000 | 62.000 | Xbcd1066-7A |
| 1917 | 19.731 | 61.000 | Xcdo595-7A |
| 1915 | 30.400 | 50.423 | Xfbb264-7A |
| 1541 | 6.772 | 59.767 | Xwg622-4A |
| 1540 | 9.120 | 59.036 | XksuG12-4A |
| 1542 | 11.633 | 59.192 | Xfba65-4A |
| 1539 | 8.769 | 55.402 | Xbcd8-4A |
| 1538 | 14.400 | 62.938 | Xbcd402-4A |
| 1537 | 10.459 | 54.478 | Xfba147-4A |
| 1531 | 5.229 | 52.855 | Xrz574-4A |
| 1530 | 5.044 | 51.451 | Xbcd1738-4A |
| 1527 | 4.071 | 53.000 | Xcdo1387-4A |
| 1529 | 1.018 | 58.018 | Xbcd1652-4A |
| 1528 | 5.000 | 56.000 | Xcdo959-4A |
| 1532 | 6.218 | 59.000 | XksuF8-4A |
| 1534 | 2.073 | 60.109 | Xfba359-4A |
| 1525 | 0.000 | 58.036 | Xfbb227-4A |
| 1526 | 2.151 | 58.075 | Xfba320-4A |
| 1533 | 6.453 | 60.109 | Xfbb176-4A |
| 1535 | 4.302 | 64.528 | Xfba211-4A |
| 1536 | 18.655 | 62.182 | Xfba43-4A |
| 1524 | 6.333 | 59.664 | Xfba78-4A |
| 1523 | 4.471 | 67.556 | Xfba40-4A |
| 1522 | 17.538 | 59.192 | Xfbb332-4A |
| 1521 | 38.000 | 62.182 | Xfbb1-4A |
| 1799 | 11.275 | 54.522 | Xcdo476-6B |
| 1798 | 11.611 | 54.478 | Xbcd342-6B |
| 1797 | 33.957 | 54.385 | Xpsr167-6B |
| 1800 | 13.933 | 47.010 | Xrz995-6B |
| 1803 | 7.824 | 64.057 | Xtam60-6B |
| 1801 | 9.306 | 60.595 | XksuH4-6B |
| 1802 | 4.560 | 59.280 | Xfbb16-6B |
| 1804 | 12.214 | 59.036 | Xfba152-6B |
| 1805 | 18.612 | 63.107 | Xfba357-6B |
| 1806 | 17.449 | 57.553 | Nor-B2-6B |
| 1813 | 6.840 | 61.222 | XksuH14-6B |

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| 1811 | 0.000 | 54.889 | Xfba345-6B |
| 1810 | 0.000 | 53.774 | Xfba344-6B |
| 1808 | 2.192 | 52.778 | Xfba328-6B |
| 1809 | 4.222 | 46.444 | Xfba399-6B |
| 1807 | 12.667 | 52.929 | Xfba67-6B |
| 1823 | 4.222 | 55.982 | Xbcd357-6B |
| 1821 | 1.390 | 62.561 | Xbcd102-6B |
| 1818 | 2.054 | 56.496 | Xcdo524-6B |
| 1820 | 4.145 | 56.486 | Xbcd1299-6B |
| 1822 | 1.754 | 57.514 | Xbcd1716-6B |
| 1819 | 3.508 | 56.123 | Xcn13-6B |
| 1815 | 3.288 | 66.161 | Xbcd1383-6B |
| 1814 | 2.214 | 65.604 | Xpsr141-6B |
| 1812 | 5.327 | 66.327 | Xg1k479-6B |
| 1817 | 2.111 | 59.568 | Xbcd1495-6B |
| 1816 | 10.556 | 54.964 | Xfba359-6B |
| 1827 | 6.577 | 54.889 | Xfbb364-6B |
| 1825 | 4.071 | 52.929 | Xcdo507-6B |
| 1826 | 20.317 | 48.857 | Xbcd2014-6B |
| 1831 | 7.773 | 54.178 | Xwg341-6B |
| 1830 | 6.218 | 61.071 | Xfbb164-6B |
| 1828 | 7.052 | 57.000 | Xcdo341-6B |
| 1829 | 7.125 | 59.879 | Xmwg934-6B |
| 1832 | 0.000 | 59.036 | Xfbb57-6B |
| 1833 | 6.218 | 60.109 | Xfbb169-6B |
| 1834 | 10.755 | 52.929 | Xfba42-6B |
| 1838 | 9.306 | 55.925 | Xfbb130-6B |
| 1839 | 4.471 | 53.647 | Xfbb377-6B |
| 1837 | 4.222 | 54.964 | Xfba111-6B |
| 1835 | 6.264 | 55.982 | XksuG30-6B |
| 1836 | 25.024 | 59.478 | Xabg473-6B |
| 1841 | 0.000 | 46.821 | Xfbb359-6B |
| 1840 | 20.462 | 48.556 | Xfbb327-6B |
| 1842 | 5.846 | 56.329 | Xmwg74-6B |
| 1843 | 12.667 | 50.667 | Xfbb82-6B |
| 1846 | 4.071 | 50.893 | Xfba251-6B |
| 1844 | 0.000 | 50.893 | Xfbb70-6B |
| 1845 | 6.333 | 50.893 | Xfbb59-6B |
| 1847 | -- | 53.405 | Xmwg2053-6B |
| | | | |
| 615 | 2.018 | 71.000 | Xbcd1431-4D.2 |
| 616 | 12.906 | 73.646 | Xcdo949-4D |
| 614 | 21.111 | 59.111 | Xfba177-4D |
| 613 | 23.222 | 49.745 | Xfbb226-4D |
| 612 | 4.071 | 54.478 | Xcdo1081-4D |
| 611 | 19.339 | 55.487 | Xbcd1431-4D.1 |
| 610 | 16.889 | 58.513 | Xcdo1312-4D |

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|-----|--------|--------|----------------|
| 609 | 12.906 | 43.527 | Xfbb178-4D |
| 608 | 17.047 | 52.378 | Xbcd15-4D |
| 607 | 17.538 | 54.927 | Xbcd1117-4D |
| 606 | 2.073 | 51.818 | Xfbb336-4D |
| 603 | 8.291 | 49.745 | Xfbb251-4D |
| 605 | 10.022 | 53.000 | XksuF8-4D |
| 604 | 15.405 | 57.626 | Xbcd327-4D |
| 601 | 10.364 | 47.673 | Xfbb13-4D |
| 602 | 26.945 | 48.000 | Xbcd265-4D |
| 600 | -- | 48.709 | Xcdo669-4D |
| | | | |
| 617 | 12.436 | 53.000 | Xbcd1871-5A |
| 620 | 4.145 | 55.964 | Xfba352-5A |
| 619 | 7.773 | 55.964 | Xfba131-5A |
| 618 | 25.186 | 58.800 | Xcdo749-5A |
| 621 | 13.282 | 47.135 | Xcdo785-5A |
| 624 | 4.035 | 49.434 | Xbcd1355-5A |
| 623 | 0.000 | 52.000 | Xbcd157-5A |
| 622 | 12.906 | 51.623 | Xpsr128-5A |
| 625 | 15.133 | 53.000 | Xcdo412-5A |
| 626 | 8.523 | 51.451 | Xcdo57-5A |
| 629 | 6.840 | 47.944 | Xbcd1949-5A |
| 627 | 5.429 | 54.286 | Xbcd981-5A |
| 628 | 2.036 | 51.000 | Xbcd926-5A |
| 630 | 5.897 | 49.875 | Xbcd1088-5A |
| 631 | 8.769 | 57.966 | Xcdo1090-5A |
| 859 | 12.214 | 73.286 | Xfbb222-6D |
| 858 | 2.151 | 65.143 | Xfba85-6D |
| 857 | 2.235 | 62.377 | Xfbb319-6D |
| 856 | 15.057 | 62.377 | Xfbb354-6D |
| 855 | 6.333 | 73.286 | Xfba187-6D |
| 853 | 8.941 | 65.444 | Xfba1-6D |
| 854 | 7.321 | 60.595 | XksuG48-6D |
| 852 | 17.618 | 58.018 | Xpsr8(Cxp3)-6D |
| 850 | 9.120 | 52.855 | Xpsr964-6D |
| 849 | 13.412 | 53.774 | Xfba307-6D |
| 848 | 14.250 | 51.351 | Xbcd342-6D |
| 845 | 10.688 | 45.367 | Xpsr889-6D |
| 846 | 6.840 | 49.875 | Xbcd1821-6D |
| 847 | 31.532 | 55.882 | Xabg466-6D |
| 851 | -- | 69.486 | Xmwig549-6D |
| | | | |
| 632 | 13.780 | 55.944 | Xmwig522-5A |
| 633 | 5.429 | 56.374 | Xmwig624-5A |
| 634 | 14.509 | 49.745 | Xfbb2-5A |
| 635 | 22.800 | 61.540 | Xbcd1235-5A.1 |
| 638 | 8.291 | 62.182 | Xfbb255-5A |

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| 636 | 8.444 | 53.891 | Xfba166-5A |
| 639 | 18.612 | 58.513 | Xbcd183-5A |
| 637 | 38.000 | 54.720 | Xfba190-5A |
| 1758 | 20.727 | 54.988 | Xpsr312-6A |
| 1759 | 14.509 | 67.179 | Xfbb145-6A |
| 1760 | 10.059 | 64.255 | Xfba148-6A |
| 1762 | 10.231 | 43.630 | Xcdo1315-6A |
| 1761 | 19.178 | 51.722 | Xcdo270-6A |
| 1764 | 0.000 | 56.486 | Xcdo29-6A |
| 1763 | 2.192 | 67.556 | Xfba234-6A |
| 1770 | 8.444 | 62.089 | Xcdo1428-6A |
| 1766 | 0.000 | 65.143 | Xfbb95-6A |
| 1765 | 5.700 | 66.679 | Xfba397-6A |
| 1773 | 2.714 | 54.000 | Xcdo204-6A |
| 1772 | 0.000 | 67.179 | Xfba367-6A |
| 1771 | 2.235 | 57.000 | Xbcd758-6A |
| 1769 | 4.957 | 70.981 | Xfbb283-6A |
| 1768 | 0.000 | 61.957 | Xfbb215-6A |
| 1767 | 3.677 | 63.107 | Xfbb192-6A |
| 1780 | 4.071 | 67.784 | Xbcd506-6A |
| 1779 | 4.471 | 59.192 | Xfbb170-6A |
| 1781 | 14.250 | 54.927 | Xcdo388-6A |
| 1778 | 10.469 | 61.560 | Xtam36-6A |
| 1774 | 7.748 | 59.036 | Xbcd1860-6A |
| 1775 | 4.653 | 58.096 | Xcdo772-6A |
| 1777 | 5.067 | 56.467 | Xpsr915-6A |
| 1776 | 26.308 | 57.600 | Xpsr463(Prk)-6A |
| 233 | 25.811 | 73.132 | Xfbb113-2B |
| 234 | 10.364 | 60.109 | Xfba359-2B |
| 236 | 5.135 | 64.000 | Xmwig660-2B |
| 235 | 9.306 | 62.649 | Xcdo678-2B |
| 237 | 6.980 | 54.808 | Xfba385-2B |
| 238 | 11.720 | 63.798 | Xglk558-2B |
| 239 | 10.729 | 62.089 | XksuD23-2B |
| 240 | 25.169 | 67.059 | Xcdo36-2B |
| 242 | 8.550 | 67.688 | Xbcd1231-2B |
| 241 | 35.236 | 64.255 | Xfba310-2B |
| 232 | 6.218 | 50.324 | Xmwig546-2B |
| 231 | 4.471 | 55.964 | Xfba116-2B |
| 229 | 8.523 | 42.617 | Xbcd135-2B |
| 230 | 4.183 | 46.407 | Xwsu2-2B |
| 228 | 2.192 | 46.018 | Xbcd1095-2B |
| 225 | 4.302 | 53.891 | Xfba276-2B |
| 227 | 2.151 | 55.925 | Xfba345-2B |
| 224 | 0.000 | 51.818 | Xfba62-2B.2 |
| 226 | 2.111 | 50.667 | Xfba61-2B |
| 223 | 7.125 | 53.891 | Xfbb284-2B |

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| 222 | 8.523 | 49.009 | Xmwg2025-2B |
| 221 | 14.124 | 48.425 | Xbcd307-2B |
| 220 | 9.500 | 48.000 | Xbcd1779-2B |
| 218 | 11.400 | 53.833 | Xcdo684-2B |
| 219 | 13.412 | 57.000 | Xcn16-2B |
| 216 | 0.000 | 60.226 | Xfba199-2B |
| 215 | 6.577 | 58.036 | Xfbb335-2B |
| 217 | 20.541 | 51.351 | Xbcd445-2B |
| 214 | 6.218 | 49.000 | Xbcd1119-2B |
| 213 | 9.327 | 50.782 | Xcdo388-2B |
| 212 | 10.000 | 49.000 | Xwg996-2B |
| 206 | 1.000 | 43.000 | Xcdo370-2B |
| 207 | 5.000 | 42.000 | Xbcd260-2B |
| 205 | 5.044 | 45.000 | XksuF11-2B |
| 203 | 2.111 | 44.389 | Xbcd1709-2B |
| 204 | 2.235 | 43.278 | Xtam18-2B |
| 208 | 0.000 | 48.556 | Xfbb75-2B |
| 209 | 0.000 | 47.321 | Xfbb21-2B |
| 210 | 0.000 | 46.038 | Xfbb4-2B |
| 211 | 4.145 | 47.673 | Xfbb226-2B |
| 201 | 0.000 | 51.818 | Xfba374-2B |
| 200 | 2.375 | 51.184 | Xfbb47-2B |
| 202 | 10.179 | 44.786 | Xbcd152-2B |
| 199 | 3.455 | 47.000 | Xwsu1-2B |
| 198 | 15.545 | 51.818 | Xcdo405-2B |
| 195 | 13.959 | 54.808 | Xfba106-2B |
| 196 | 8.523 | 41.081 | Xmwg950-2B |
| 197 | 15.346 | 49.156 | Xtam72-2B |
| 189 | 2.111 | 51.818 | Xfbb40-2B |
| 190 | 2.111 | 50.667 | Xfbb121-2B |
| 191 | 2.073 | 51.818 | Xfba4-2B |
| 192 | 13.000 | 43.000 | Xbcd18-2B |
| 193 | 9.771 | 50.000 | Xrz69-2B |
| 194 | 8.941 | 52.114 | Xrz444-2B |
| 188 | 6.218 | 53.891 | Xfba272-2B |
| 187 | 0.000 | 47.673 | Xfbb62-2B |
| 186 | 4.145 | 47.673 | Xfba29-2B |
| 185 | 17.538 | 54.000 | Xbcd1184-2B |
| 184 | 8.941 | 52.615 | Xfba280-2B |
| 183 | 28.500 | 57.000 | Xfbb274-2B |
| 517 | 33.957 | 52.114 | Xksug59-3D |
| 1971 | 25.909 | 53.774 | Xfba259-7B |
| 1966 | 8.143 | 54.000 | Xcdo686-7B |
| 1967 | 0.000 | 55.882 | Xfba305-7B |
| 1968 | 2.235 | 60.226 | Xfbb352-7B |
| 1969 | 8.604 | 58.541 | Xwg686-7B |
| 1970 | 4.145 | 60.109 | Xfbb175-7B |

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|------|--------|--------|--------------|
| 1965 | 4.145 | 55.964 | Xfbb179-7B |
| 1963 | 8.444 | 51.818 | Xfbb258-7B |
| 1972 | 8.444 | 54.889 | Xfba301-7B |
| 1964 | 6.453 | 51.818 | Xfba354-7B |
| 1962 | 12.175 | 49.875 | Xwg514-7B |
| 1960 | 9.194 | 57.543 | Xrz476-7B |
| 1961 | 11.565 | 51.217 | Xcn17-7B |
| 1959 | 7.321 | 51.818 | Xbcd178-7B |
| 1956 | 3.109 | 49.434 | Xabc455-7B |
| 1954 | 3.081 | 48.270 | Xbcd349-7B |
| 1953 | 4.145 | 49.000 | Xbcd98-7B |
| 1955 | 7.528 | 52.855 | Xcdo551-7B |
| 1950 | 7.255 | 47.673 | Xbcd385-7B |
| 1951 | 8.291 | 47.000 | Xbcd1338-7B |
| 1949 | 8.291 | 55.964 | Xfbb195-7B |
| 1957 | 0.000 | 51.818 | Xfbb193-7B |
| 1952 | 4.302 | 53.774 | Xfba371-7B |
| 1958 | 18.655 | 55.964 | Xfba311-7B |
| 1943 | 7.435 | 58.036 | Xfbb150-7B |
| 1946 | 5.429 | 57.000 | Xfba32-7B |
| 1945 | 6.514 | 56.197 | Xcn18-7B |
| 1944 | 8.216 | 58.513 | Xbcd310-7B |
| 1948 | 8.604 | 53.946 | Xwg180-7B |
| 1947 | 32.571 | 58.036 | Xfbb226-7B |
| 1464 | 3.257 | 52.746 | Xgwm340-3B |
| 1457 | 4.222 | 46.444 | Xfba133-3B.2 |
| 1458 | 2.235 | 50.667 | Xfba133-3B.3 |
| 1460 | 2.235 | 44.706 | Xfbb293-3B |
| 1459 | 9.306 | 50.667 | Xfba310-3B |
| 1461 | 17.100 | 63.577 | Xtam63-3B |
| 1463 | 19.463 | 68.930 | Xgwm181-3B |
| 1456 | 16.800 | 57.564 | Xgwm547-3B |
| 1455 | 11.875 | 58.163 | Xgwm114-3B |
| 1453 | 8.444 | 54.889 | Xfba235-3B |
| 1452 | 2.111 | 49.745 | Xfba217-3B |
| 1451 | 6.980 | 48.556 | Xfbb316-3B |
| 1454 | 7.862 | 55.882 | Xgwm299-3B |
| 1448 | 14.250 | 52.970 | Xbg131-3B |
| 1450 | 2.426 | 42.471 | Xfba167-3B |
| 1449 | 20.939 | 48.857 | Xfba008Hb-3B |
| 1447 | 2.111 | 44.333 | Xfba360-3B |
| 1446 | 23.750 | 46.444 | Xfba133-3B.1 |
| 1444 | 22.304 | 50.913 | Xabc174-3B |
| 1443 | 6.333 | 52.615 | Xfbb378-3B |
| 1442 | 15.200 | 71.870 | Xgwm108-3B |
| 980 | 16.625 | 73.765 | Xfba8-7D |
| 560 | 8.941 | 64.824 | Xfba253-4A |

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| 561 | 19.000 | 59.522 | Xbcd588-4A |
| 562 | 32.775 | 54.286 | Xbcd129-4A |
| 558 | 11.633 | 62.860 | Xbcd1975-4A |
| 559 | -- | 46.038 | Xfba243-4A |
| | | | |
| 640 | 15.647 | 58.541 | Xrz395-5A |
| 643 | 4.560 | 53.647 | Xfbb199-5A |
| 645 | 8.941 | 58.118 | Xfbb209-5A |
| 644 | 10.962 | 60.109 | Xfba351-5A |
| 642 | 11.176 | 63.577 | Xfba68-5A |
| 641 | -- | 55.982 | Xcdo1326-5A |
| | | | |
| 704 | 20.629 | 73.211 | Xabc310-5B |
| 970 | -- | 64.255 | Xabc310-7B |
| | | | |
| 731 | 2.780 | 54.467 | Xbcd87-5D |
| 734 | 4.145 | 51.818 | Xfba11-5D |
| 732 | 1.018 | 51.911 | Xcdo506-5D |
| 733 | 16.889 | 51.000 | Xbcd197-5D |
| 730 | 6.577 | 46.444 | Xfba364-5D |
| 729 | 26.389 | 53.339 | Xbcd1421-5D |
| 728 | 27.444 | 43.381 | Xbcd1670-5D |
| 727 | 0.000 | 60.109 | Xfbb213-5D |
| 726 | 19.000 | 60.109 | Xfbb100-5D |
| 725 | 24.225 | 48.000 | Xcdo346-5D |
| 724 | 20.267 | 37.200 | Xbcd1103-5D |
| 723 | 4.222 | 43.927 | Xmwig922-5D |
| 721 | 24.055 | 48.709 | Xmwig900-5D |
| 720 | 5.278 | 42.372 | Xbcd450-5D |
| 719 | 20.727 | 41.835 | Xrz395-5D |
| 722 | 26.945 | 43.527 | Xfba209-5D |
| 717 | 25.080 | 53.891 | Xfbb26-5D |
| 718 | 33.957 | 43.846 | Xcdo1508-5D |
| 1983 | 16.625 | 40.235 | Xfba8-7D |
| 1563 | 8.941 | 49.176 | Xfba253-4A |
| 1564 | 19.000 | 54.478 | Xbcd588-4A |
| 1565 | 32.775 | 59.714 | Xbcd129-4A |
| 1561 | 11.633 | 51.140 | Xbcd1975-4A |
| 1562 | 30.400 | 67.962 | Xfba243-4A |
| 1976 | 30.400 | 76.369 | Xtam50-7B |
| 1374 | 22.353 | 89.885 | Xfbb293-3A.4 |
| 1371 | 4.385 | 65.575 | Xabc172-3A.1 |
| 1372 | 8.941 | 68.830 | Xfbb293-3A.3 |
| 1376 | 0.000 | 74.538 | Xfbb237-3A |
| 1375 | 4.302 | 67.593 | Xmwig11-3A |
| 1373 | 16.467 | 65.604 | Xmwig12-3A |
| 1377 | 32.386 | 64.125 | Xcdo482-3A |

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| 1378 | -- | 65.143 | Xbcd451-3A |
| | | | |
| 779 | 6.000 | 60.000 | Xmwig934-6A |
| 780 | 30.400 | 53.868 | Xcsb112(Dhn5)-6A |
| 782 | 17.208 | 63.107 | Xfba111-6A |
| 787 | 2.192 | 51.623 | Xfba8-6A |
| 784 | 1.036 | 52.460 | Xbcd1510-6A |
| 783 | 4.145 | 49.297 | Xcdo836-6A |
| 785 | 4.222 | 48.857 | Xfbb191-6A |
| 781 | 0.000 | 50.667 | Xfba20-6A |
| 786 | 8.143 | 52.929 | Xfbb40-6A |
| 788 | 0.000 | 52.929 | Xfbb221-6A |
| 789 | 4.145 | 53.891 | Xfbb82-6A |
| 790 | 6.453 | 57.000 | Xfbb70-6A |
| 791 | 10.364 | 53.405 | XksuD27-6A |
| 792 | 7.600 | 59.522 | Xmwig2053-6A |
| 793 | -- | 62.637 | Xmwig573-6A |
| | | | |
| 939 | -- | 71.529 | Xfba42-7B |
| | | | |
| 997 | 17.047 | 64.389 | Xfba204-7D |
| 996 | 12.667 | 62.549 | Xwg420-7D |
| 998 | 12.667 | 70.473 | Xfbb325-7D |
| 995 | 12.667 | 63.107 | Xmwig975-7D |
| 994 | 6.218 | 74.618 | Xfbb79-7D |
| 993 | 6.218 | 76.691 | Xfba264-7D |
| 992 | 29.419 | 70.473 | Xfba69-7D |
| 1364 | 12.214 | 57.966 | XgbxG242-3A |
| 1366 | 4.851 | 74.538 | Xfba347-3A |
| 1365 | 6.333 | 67.915 | Xfbb293-3A.2 |
| 1462 | 12.667 | 60.638 | Xgwm247-3B |
| 1367 | 8.686 | 65.143 | Xgwm391-3A |
| 1368 | 19.000 | 61.000 | Xbcd1773-3A |
| 1369 | 19.950 | 39.267 | Xtam63-3A |
| 1370 | -- | 35.765 | Xabc172-3A.2 |
| | | | |
| 999 | 26.824 | 51.623 | XksuE3-7D |
| 1000 | -- | 54.889 | Xfbb189-7D |
| | | | |
| 1001 | 36.973 | 57.000 | Xbcd1230-4A |
| 1071 | 7.980 | 52.460 | XksuE11-1B.2 |
| 1070 | 8.143 | 49.020 | Xmwig912-1B |
| 1072 | 23.009 | 61.071 | XksuI27-1B |
| 1069 | 21.111 | 56.486 | Xcdo346-1B |
| 1068 | 0.000 | 60.595 | Xcdo1189-1B |
| 1067 | 2.280 | 60.595 | Xbcd1261-1B |
| 1066 | 12.928 | 59.767 | Xbcd1514-1B |

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| 1098 | 1.140 | 65.444 | Xbcd1562-1B |
| 1065 | 27.143 | 67.755 | Xbcd508-1B |
| 1099 | 10.556 | 65.143 | XksuE11-1B.1 |
| 1064 | 2.280 | 74.257 | XksuG34-1B |
| 1097 | 6.577 | 76.731 | Xmwig69-1B |
| 1063 | 1.000 | 70.000 | Xbcd304-1B |
| 1096 | 17.150 | 71.000 | Xbcd441-1B |
| 1062 | 13.473 | 68.602 | Xbcd442-1B |
| 1061 | 19.358 | 63.218 | Xcmwig733-1B |
| 1060 | 9.402 | 70.473 | Xbcd1150-1B.2 |
| 1095 | 7.953 | 58.693 | Glu-B1 |
| 1059 | 15.935 | 49.361 | Xbcd1150-1B.1 |
| 1058 | 16.889 | 60.661 | Xcdo637-1B |
| 1092 | -- | 66.584 | Xg1k136-1B |
| | | | |
| 1040 | 11.943 | 49.875 | Xcdo1160-1A |
| 1027 | 18.387 | 46.686 | Xmwig632-1A |
| 1028 | 7.355 | 42.606 | Xmwig912-1A |
| 1029 | 3.288 | 43.019 | XksuE11-1A.1 |
| 1030 | 6.641 | 44.162 | Xcdo393-1A |
| 1031 | 6.129 | 53.774 | Xwg241-1A |
| 1041 | -- | 57.000 | XksuE11-1A.2 |
| | | | |
| 1073 | 3.167 | 60.661 | XGli1-1B |
| 1042 | 9.030 | 65.575 | XksuD14-1B |
| 1075 | 18.136 | 63.706 | Xwhs179-1B |
| 1043 | 7.277 | 59.375 | Xmwig938-1B |
| 1077 | 7.321 | 56.486 | Xcdo388-1B |
| 1079 | 2.257 | 66.161 | XksuF43-1B.1 |
| 1076 | 1.326 | 70.412 | Xmwig68-1B |
| 1078 | 1.253 | 68.645 | Xabc156-1B |
| 1044 | 9.413 | 67.784 | XGli3-1B-1B |
| 1045 | 4.560 | 75.321 | XksuF43-1B.2 |
| 1046 | 5.758 | 76.000 | XksuE18-1B |
| 1082 | 19.731 | 63.218 | XksuE19-1B |
| 1047 | 10.857 | 62.377 | Nor-B1 |
| 1080 | 21.459 | 80.697 | Xbcd340-1B |
| 1083 | 11.505 | 66.936 | Xrz166-1B |
| 1054 | 2.151 | 64.000 | Xbcd338-1B |
| 1088 | 5.700 | 62.377 | Xcdo92-1B |
| 1086 | 5.644 | 73.132 | Xabg373-1B |
| 1055 | 1.056 | 64.389 | Xwg605-1B |
| 1056 | 1.027 | 61.540 | Xcdo98-1B |
| 1052 | 0.000 | 62.649 | Xwg811-1B |
| 1053 | 1.046 | 62.089 | Xbcd200-1B |
| 1084 | 2.151 | 61.145 | Xbcd1796-1B |
| 1048 | 2.092 | 66.936 | Xcdo1173-1B |

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| 1049 | 2.036 | 62.549 | Xcdo618-1B |
| 1050 | 11.611 | 61.071 | Xbcd762-1B |
| 1090 | 11.875 | 61.706 | Xbcd386-1B |
| 1051 | 8.143 | 61.560 | Xcdo127-1B |
| 1091 | 4.145 | 62.649 | Xcdo278-1B |
| 1087 | 2.036 | 65.575 | Xbcd1449-1B |
| 1057 | 3.638 | 66.584 | Xbcd12-1B |
| 1094 | 6.064 | 65.489 | Xcmwg758-1B |
| 1089 | 8.241 | 63.000 | Xmwg837-1B.2 |
| 1093 | 9.000 | 63.181 | Xcmwg645-1B |
| 1085 | 8.000 | 61.886 | Xcdo1340-1B |
| 1081 | 0.000 | 65.636 | Xbcd1124-1B |
| 1929 | 22.304 | 79.304 | Xfba382-7A |
| 1931 | 12.436 | 64.255 | Xfba350-7A |
| 1932 | 5.089 | 61.000 | Xwg380-7A |
| 1930 | 8.367 | 62.089 | Xfba204-7A |
| 1933 | 7.389 | 60.595 | XksuD2-7A |
| 1935 | 2.073 | 57.514 | Xrz682-7A |
| 1934 | 16.889 | 57.504 | Xmwg938-7A |
| 1936 | 0.000 | 62.182 | Xfbb18-7A |
| 1937 | 19.000 | 62.182 | Xfbb145-7A |
| 1928 | 6.333 | 65.444 | Xfba97-7A |
| 1927 | 27.444 | 62.182 | Xfba69-7A |
| 1925 | 19.000 | 71.250 | XksuG12-7A |
| 1926 | 17.208 | 64.255 | Xfba354-7A |
| 1922 | 2.151 | 64.528 | Xfba234-7A |
| 1921 | 0.000 | 66.327 | Xfbb218-7A |
| 1923 | 10.364 | 66.327 | Xfba337-7A |
| 1924 | -- | 69.000 | Xcdo962-7A |
| | | | |
| 1119 | 8.367 | 64.255 | Xwg241-1D |
| 1118 | 7.062 | 65.575 | XksuI27-1D.2 |
| 1117 | 3.027 | 70.619 | XksuI27-1D.1 |
| 1116 | 18.816 | 72.000 | XksuE11-1D |
| 1128 | 20.520 | 57.553 | Xcdo1420-1D |
| 1115 | 8.769 | 64.703 | Xbcd1261-1D |
| 1127 | 14.970 | 62.377 | Xcmwg693-1D |
| 1126 | -- | 74.914 | Xbcd508-1D |
| | | | |
| 1154 | 9.413 | 72.919 | Xbcd152-2A |
| 1160 | 4.145 | 63.107 | Xbcd161-2A |
| 1165 | 10.654 | 66.161 | Xcdo1376-2A |
| 1155 | 10.857 | 59.615 | Xwsu1-2A |
| 1156 | 11.400 | 63.477 | Xcdo1281-2A |
| 1153 | 10.556 | 64.255 | Xfbb226-2A |
| 1163 | 0.000 | 57.000 | Xfbb359-2A |
| 1158 | 1.009 | 59.522 | Xbcd1688-2A |

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| 1161 | 0.000 | 58.000 | Xbcd855-2A |
| 1159 | 0.000 | 60.729 | Xcdo405-2A |
| 1164 | 2.192 | 59.111 | Xfba374-2A |
| 1157 | 2.151 | 60.226 | Xfba106-2A |
| 1162 | 6.218 | 64.125 | Xrz395-2A |
| 1166 | 18.655 | 62.182 | Xfbb212-2A |
| 1168 | 4.302 | 59.000 | Xbcd543-2A |
| 1167 | 6.453 | 60.226 | Xfbb353-2A |
| 1170 | 6.218 | 60.109 | Xfbb284-2A |
| 1171 | 4.035 | 60.000 | XksuE16-2A |
| 1172 | 12.106 | 64.566 | XksuD22-2A |
| 1173 | 12.436 | 59.000 | Xbcd1095-2A |
| 1174 | 0.000 | 60.109 | Xfba276-2A |
| 1661 | 23.222 | 60.109 | Xfba276-5B |
| 1169 | -- | 56.496 | XksuG5-2A |
| | | | |
| 1246 | 20.727 | 53.000 | W2I-2D |
| 1249 | 17.348 | 68.400 | Xfba83-2D |
| 1247 | 13.484 | 48.186 | Xcmwg682-2D |
| 1248 | 10.364 | 61.145 | Xcdo456-2D |
| 1250 | 6.218 | 65.000 | Xbcd18-2D |
| 1251 | 9.771 | 64.255 | Xbcd1970-2D |
| 1252 | 12.000 | 72.833 | Xbcd718-2D |
| 1253 | 15.545 | 61.653 | Xbcd102-2D |
| 1254 | 2.073 | 66.327 | Xfba400-2D |
| 1255 | 20.520 | 68.400 | Xfba88-2D |
| 1257 | 11.830 | 72.057 | Xbcd611-2D |
| 1258 | 28.000 | 61.000 | Xcdo1379-2D |
| 1260 | 14.124 | 63.000 | Xcdo1479-2D |
| 1261 | 16.889 | 64.566 | Xbcd262-2D |
| 1262 | 18.655 | 62.182 | Xfbb279-2D |
| 1265 | 2.426 | 64.255 | Xfba341-2D.1 |
| 1264 | 12.667 | 61.560 | Xcdo405-2D |
| 1263 | 19.404 | 60.054 | Xwsu1-2D |
| 1266 | 4.750 | 73.625 | Xfba38-2D |
| 1268 | 15.405 | 61.000 | Xbcd260-2D |
| 1269 | 3.109 | 57.514 | Xbcd120-2D |
| 1270 | 12.906 | 54.964 | Xbcd111-2D |
| 1273 | 2.151 | 64.255 | Xfba74-2D |
| 1272 | 4.385 | 64.528 | Xfbb99-2D |
| 1271 | 12.667 | 62.549 | Xtam8-2D |
| 1275 | 0.000 | 64.255 | Xfbb122-2D |
| 1281 | 0.000 | 64.255 | Xfba64-2D |
| 1276 | 0.000 | 64.255 | Xfba111-2D |
| 1277 | 0.000 | 66.679 | Xfbb32-2D |
| 1274 | 0.000 | 64.528 | Xfba62-2D |
| 1280 | 0.000 | 64.255 | Xfba61-2D |

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| 1278 | 0.000 | 64.255 | Xfba341-2D.2 |
| 1279 | 12.906 | 64.255 | Xfbb284-2D |
| 1282 | 8.604 | 55.925 | Xfbb68-2D |
| 1283 | 12.436 | 54.000 | Xcdo1008-2D |
| 1284 | 2.111 | 62.182 | Xfba116-2D |
| 1285 | 8.444 | 61.222 | Xfbb9-2D |
| 1286 | 10.364 | 53.891 | Xfbb251-2D |
| 1287 | 12.667 | 60.109 | Xfbb72-2D |
| 1289 | 3.081 | 60.531 | Xglk558-2D |
| 1288 | 5.700 | 59.036 | XksuH9-2D |
| 1294 | 4.606 | 59.280 | Xbcd410-2D |
| 1292 | 2.054 | 60.054 | Xrz444-2D |
| 1290 | 7.389 | 60.054 | XksuD23-2D |
| 1295 | 15.766 | 58.569 | XksuH16-2D |
| 1296 | 14.250 | 72.122 | Xcdo36-2D |
| 1299 | 0.000 | 64.255 | Xfba209-2D.2 |
| 1293 | 6.453 | 66.679 | Xfbb377-2D |
| 1297 | 26.945 | 72.545 | Xfba314-2D |
| 1291 | 29.163 | 91.200 | Xfba209-2D.1 |
| 1135 | 29.381 | 87.780 | Xcdo456-2A.2 |
| 1134 | 2.327 | 64.255 | Xcdo447-2A |
| 1133 | 2.280 | 57.000 | Xfba70-2A.1 |
| 1131 | 0.000 | 53.891 | Xcdo456-2A.1 |
| 1130 | 2.714 | 54.808 | Xfba82-2A |
| 1132 | 10.101 | 46.352 | Xcmwg682-2A |
| 1129 | 33.682 | 53.438 | Xbcd348-2A.1 |
| 1383 | 15.960 | 59.280 | Xfbb147-3B.1 |
| 1386 | 9.500 | 61.222 | Xfbb166-3B |
| 1385 | 19.000 | 64.125 | Xfba190-3B |
| 1379 | 6.577 | 65.444 | Xfba311-3B |
| 1380 | 5.516 | 60.595 | Xbcd907-3B |
| 1381 | 11.032 | 58.839 | Xgwm389-3B |
| 1382 | 9.913 | 61.130 | Xgwm533-3B.1 |
| 1384 | 15.458 | 65.143 | Xksug53-3B |
| 1387 | 8.444 | 71.492 | Xgwm493-3B |
| 1388 | 8.769 | 62.588 | Xcdo460-3B |
| 1389 | 6.577 | 64.255 | Xfbb185-3B |
| 1390 | 19.358 | 61.222 | Xtam47-3B |
| 1391 | 27.636 | 60.595 | Xtam61-3B |
| 1392 | 12.667 | 56.149 | Xgwm533-3B.2 |
| 1393 | 10.556 | 55.964 | Xfba091-3B |
| 1395 | 0.000 | 52.778 | Xfbb142-3B |
| 1394 | 2.151 | 52.778 | Xfbb315-3B |
| 1396 | 3.455 | 55.925 | Xfbb024-3B |
| 1397 | 8.769 | 45.600 | XgbxR080-3B |
| 1398 | 3.167 | 47.243 | Xabg471-3B |
| 1399 | 6.840 | 47.673 | Xcdo1164-3B |

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| 1419 | 2.478 | 49.472 | Xgwm284-3B |
| 1418 | 5.067 | 49.138 | Xgwm566-3B |
| 1401 | 2.426 | 57.000 | Xpsr903-3B |
| 1420 | 1.966 | 54.102 | Xgwm72-3B |
| 1402 | 10.364 | 47.839 | Xpsr689-3B |
| 1400 | 15.200 | 40.714 | XgbxG392-3B |
| 1417 | 21.111 | 67.556 | Xfbb117-3B |
| 1415 | 11.297 | 72.637 | Xbcd1418-3B |
| 1414 | 15.647 | 69.838 | Xcdo583-3B |
| 1413 | 10.962 | 54.808 | Xgwm131-3B |
| 1412 | 0.000 | 51.818 | Xfbb177-3B |
| 1411 | 4.471 | 53.647 | Xfba242-3B |
| 1427 | 0.000 | 49.745 | Xfbb235-3B |
| 1425 | 0.000 | 50.423 | Xfba214-3B |
| 1426 | 2.151 | 48.556 | Xfbb110-3B |
| 1430 | 0.000 | 48.556 | Xfbb348-3B |
| 1428 | 0.000 | 48.556 | Xfba213-3B |
| 1429 | 2.280 | 48.556 | Xfba220-3B |
| 1432 | 9.000 | 41.040 | Xfbb283-3B |
| 1433 | 5.922 | 34.438 | XATPase-3B.2 |
| 1431 | 6.552 | 36.330 | Xcdo1283-3B.2 |
| 1404 | 5.229 | 41.835 | Xbcd1380-3B.1 |
| 1403 | 3.619 | 46.407 | Xksuh7-3B |
| 1421 | 1.932 | 54.286 | Xgwm376-3B |
| 1422 | 7.475 | 50.459 | Xgwm285-3B |
| 1423 | 9.243 | 54.522 | Xgwm77-3B |
| 1424 | 10.755 | 57.000 | Xfbb156-3B |
| 1405 | 3.800 | 57.000 | Xbcd1380-3B.2 |
| 1406 | 8.047 | 56.374 | Xcdo1283-3B.1 |
| 1407 | 9.120 | 48.396 | XATPase-3B.1 |
| 1410 | 6.706 | 60.109 | XgbxG469-3B |
| 1409 | 7.824 | 50.667 | Xcdo718-3B |
| 1408 | 14.250 | 49.472 | Xbcd809-3B |
| 1416 | 24.873 | 47.839 | Xmwg818-3B |
| 1435 | 1.075 | 44.786 | Xbcd141-3B |
| 1436 | 4.653 | 47.321 | Xbcd1555-3B |
| 1434 | 9.500 | 46.038 | Xbcd147-3B |
| 1441 | 3.931 | 49.472 | Xfbb168-3B |
| 1440 | 3.738 | 48.590 | XgbxG065-3B |
| 1438 | 5.262 | 49.775 | XgbxG037-3B |
| 1439 | 4.385 | 52.615 | XgbxG773-3B |
| 1437 | 27.261 | 42.471 | Xfbb147-3B.2 |
| 1982 | 29.640 | 33.340 | XksuE18-7B |
| 1978 | 0.000 | 60.109 | Xfba21-7B |
| 1977 | 20.939 | 61.222 | Xfbb189-7B |
| 1979 | 10.688 | 48.857 | Xrz508-7B |
| 1980 | 14.250 | 49.875 | Xcdo414-7B |

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|------|--------|--------|---------------|
| 1981 | 32.062 | 52.250 | Xcn12-7B |
| 1975 | 11.633 | 53.647 | XksuD2-7B |
| 1974 | 25.024 | 51.818 | Xfbb67-7B |
| 985 | 12.796 | 60.490 | Xmwg710-7D |
| 983 | 16.132 | 63.000 | Xbcd1438-7D |
| 982 | 24.736 | 63.453 | Xwg834-7D |
| 981 | -- | 64.000 | Xbcd1872-7D |
| | | | |
| 1335 | 36.000 | 80.750 | Xbcd1145-3A |
| 1256 | 25.080 | 83.887 | Xfbb274-2D |
| 1363 | 13.412 | 65.769 | Xfba167-3A |
| 1362 | 9.344 | 68.735 | Xgwm666-3A.2 |
| 1361 | 8.341 | 63.333 | Xgwm480-3A |
| 1360 | 9.500 | 66.500 | Xfbb293-3A.1 |
| 1359 | 4.302 | 69.214 | Xbcd1431-3A.2 |
| 1708 | 6.706 | 70.981 | Xfbb322-5B |
| 1358 | 5.816 | 61.706 | Xbcd1431-3A.1 |
| 1357 | 2.375 | 55.307 | Xwg184-3A |
| 1356 | 4.145 | 67.179 | Xfbb250-3A |
| 1355 | 16.889 | 70.473 | Xfbb260-3A |
| 1354 | 29.739 | 65.143 | Xmwg570-3A |
| 1342 | 18.136 | 77.617 | Xfbb353-3A |
| 1351 | 7.189 | 58.541 | Xbcd452-3A |
| 1350 | 3.027 | 58.000 | Xwg177-3A |
| 1349 | 2.036 | 59.522 | Xksuh2-3A |
| 1348 | 6.333 | 58.513 | Xcdo281-3A |
| 1337 | 8.604 | 66.327 | Xfbb277-3A |
| 1347 | 4.145 | 62.089 | Xbcd2044-3A |
| 1346 | 5.089 | 58.018 | Xbcd115-3A |
| 1345 | 4.000 | 55.000 | Xmwg961-3A |
| 1343 | 2.151 | 59.000 | Xtam33-3A |
| 1344 | 7.355 | 66.679 | Xfbb271-3A |
| 1341 | 11.793 | 72.885 | XgbxG499-3A |
| 1340 | 3.800 | 61.385 | Xfbb332-3A |
| 1324 | 7.600 | 57.966 | Xgwm666-3A.1 |
| 1334 | 9.120 | 53.647 | XgbxG034-3A |
| 1330 | 2.192 | 61.071 | Xmwg802-3A |
| 1329 | 4.343 | 62.377 | Xcdo118-3A |
| 1331 | 3.054 | 60.531 | Xbcd828-3A |
| 1333 | 4.071 | 57.000 | Xbcd366-3A |
| 1332 | 4.183 | 61.000 | Xcdo1174-3A |
| 1326 | 4.302 | 58.569 | XATPase-3A |
| 1327 | 7.824 | 61.622 | Xabg396-3A |
| 1328 | 13.256 | 61.886 | Xbcd1127-3A |
| 1339 | 12.128 | 62.588 | Xgwm5-3A |
| 1336 | 7.862 | 72.346 | Xfba175-3A |
| 1323 | 0.000 | 64.355 | Xgwm30-3A |

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| 1338 | 6.909 | 67.179 | Xfba127-3A |
| 1325 | 9.702 | 68.400 | Xgwm32-3A |
| 1322 | 10.857 | 56.329 | Xpsr903-3A |
| 1318 | 4.222 | 59.280 | Xgwm2-3A |
| 1319 | 5.700 | 58.213 | XgbxG406-3A |
| 1320 | 8.400 | 63.333 | Xksua6-3A |
| 1321 | 16.979 | 61.145 | Xcdo638-3A |
| 1309 | 4.750 | 65.814 | Xabg460-3A |
| 1311 | 2.054 | 61.622 | Xabg471-3A |
| 1312 | 5.700 | 63.000 | Xcdo1345-3A |
| 1310 | 4.606 | 67.260 | Xcdo1164-3A |
| 1316 | 2.018 | 60.531 | Xcdo1435-3A |
| 1315 | 6.053 | 60.531 | Xbcd1532-3A |
| 1314 | 5.044 | 56.496 | Xbcd706-3A |
| 1317 | 3.054 | 57.000 | Xmwg22-3A |
| 1313 | 18.655 | 60.054 | Xbcd1823-3A |
| 1308 | 16.889 | 57.000 | Xfba091-3A |
| 1306 | 6.453 | 59.111 | Xfba366-3A |
| 1305 | 6.000 | 55.904 | Xcdo460-3A |
| 1307 | 15.458 | 59.631 | Xgwm369-3A |
| 1303 | 9.030 | 60.950 | Xtam47-3A |
| 1304 | 21.963 | 56.000 | Xtam61-3A |
| 1300 | 14.388 | 66.936 | Xbcd15-3A |
| 1301 | 4.222 | 58.598 | Xglk683-3A |
| 1302 | 30.113 | 60.109 | Xfbb370-3A |
| 1706 | 26.308 | 75.283 | Xfbb323-5B |
| 1704 | 8.444 | 67.982 | Xcdo584-5B |
| 1705 | 9.120 | 72.545 | Xfba351-5B |
| 1703 | 2.375 | 63.333 | Xcdo348-5B |
| 1701 | 4.385 | 73.132 | Xfbb328-5B |
| 1702 | 24.429 | 67.179 | Xcdo1326-5B |
| 1700 | 2.036 | 66.584 | Xcdo504-5B |
| 1699 | 11.097 | 67.593 | Xbcd450-5B |
| 1698 | 2.073 | 66.000 | Xbcd1030-5B |
| 1697 | 20.727 | 70.473 | Xfba332-5B |
| 1696 | 6.577 | 62.182 | Xfba166-5B |
| 1695 | 9.120 | 59.192 | Xfbb237-5B |
| 1694 | 7.435 | 64.528 | Xfba348-5B |
| 1693 | 5.429 | 55.925 | Xwg583-5B |
| 1692 | 8.143 | 56.496 | Xbcd9-5B |
| 1691 | 10.784 | 56.496 | Xbcd307-5B |
| 1690 | 23.471 | 63.840 | Xmwg914-5B |
| 1688 | 7.980 | 52.529 | Xabg473-5B |
| 1687 | 3.081 | 57.000 | Xcdo1192-5B |
| 1689 | 3.109 | 58.513 | Xbcd508-5B |
| 1686 | 10.962 | 59.568 | Xmwg52-5B |
| 1685 | 6.840 | 65.604 | Xbcd1140-5B |

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| 1683 | 15.057 | 60.109 | Xfbb121-5B.2 |
| 1681 | 11.297 | 56.486 | Xtam72-5B |
| 1679 | 8.000 | 57.000 | Xcdo412-5B |
| 1678 | 2.073 | 57.000 | Xbcd157-5B |
| 1684 | 4.145 | 55.964 | Xfba127-5B |
| 1674 | 4.000 | 58.000 | Xwg909-5B |
| 1680 | 5.278 | 56.000 | Xwg889-5B |
| 1682 | 7.458 | 61.222 | XksuA1-5B |
| 1673 | 9.402 | 64.125 | Xabc164-5B |
| 1675 | 9.212 | 57.576 | Xmwg561-5B |
| 1677 | 7.673 | 56.486 | Xpsr574-5B |
| 1676 | 16.286 | 47.135 | Xpsr128-5B |
| 1671 | 6.980 | 54.889 | Xfba232-5B |
| 1672 | 1.310 | 54.765 | Xpsr929-5B |
| 1670 | 10.364 | 54.467 | Xcdo749-5B |
| 1669 | 11.611 | 52.778 | Xabg705-5B |
| 1668 | 6.218 | 60.000 | Xbcd1871-5B |
| 1667 | 4.145 | 60.109 | Xfba342-5B |
| 1666 | 16.582 | 55.964 | Xfba393-5B |
| 1664 | 2.073 | 47.673 | Xfbb121-5B.1 |
| 1665 | 22.800 | 49.745 | Xfba367-5B |
| 1663 | 10.270 | 63.000 | Xcdo959-5B |
| 1662 | 6.333 | 57.514 | Xbcd873-5B |
| 1660 | 24.783 | 55.964 | Xfbb277-5B |
| 459 | 11.032 | 26.681 | Xgwm247-3B |
| 460 | 19.463 | 45.070 | Xgwm181-3B |
| 453 | 9.306 | 56.436 | Xgwm547-3B |
| 454 | 3.257 | 67.556 | Xfba133-3B.2 |
| 461 | 7.125 | 61.254 | Xgwm340-3B |
| 457 | 2.235 | 69.294 | Xfbb293-3B |
| 455 | 0.000 | 63.333 | Xfba133-3B.3 |
| 456 | 9.306 | 63.333 | Xfba310-3B |
| 458 | 13.959 | 50.423 | Xtam63-3B |
| 448 | 2.111 | 65.444 | Xfbb316-3B |
| 449 | 8.444 | 64.255 | Xfba217-3B |
| 450 | 11.875 | 59.111 | Xfba235-3B |
| 452 | 9.402 | 52.347 | Xgwm114-3B |
| 451 | 10.483 | 50.294 | Xgwm299-3B |
| 445 | 11.400 | 59.879 | Xbg131-3B |
| 447 | 2.426 | 71.529 | Xfba167-3B |
| 446 | 20.939 | 65.143 | Xfba008Hb-3B |
| 444 | 2.111 | 69.667 | Xfba360-3B |
| 443 | 23.750 | 67.556 | Xfba133-3B.1 |
| 441 | 22.304 | 63.087 | Xabc174-3B |
| 440 | 6.333 | 61.385 | Xfbb378-3B |
| 439 | 12.667 | 42.130 | Xgwm108-3B |
| 438 | 3.931 | 64.528 | Xfbb168-3B |

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|------|--------|--------|----------------|
| 437 | 3.738 | 65.410 | XgbxG065-3B |
| 435 | 5.262 | 64.225 | XgbxG037-3B |
| 436 | 4.385 | 61.385 | XgbxG773-3B |
| 434 | 6.840 | 71.529 | Xfbb147-3B.2 |
| 433 | 2.151 | 66.679 | Xbcd1555-3B |
| 432 | 5.534 | 68.196 | Xbcd141-3B |
| 431 | 37.224 | 64.673 | Xbcd147-3B |
| 928 | 12.436 | 49.745 | Xfba350-7A |
| 929 | 5.089 | 53.000 | Xwg380-7A |
| 927 | 8.367 | 51.911 | Xfba204-7A |
| 930 | 11.297 | 53.405 | XksuD2-7A |
| 931 | 2.073 | 50.442 | Xmwg938-7A |
| 932 | 10.962 | 52.378 | Xrz682-7A |
| 933 | 0.000 | 51.818 | Xfbb18-7A |
| 934 | 19.000 | 51.818 | Xfbb145-7A |
| 925 | 6.333 | 48.556 | Xfba97-7A |
| 924 | 9.500 | 51.818 | Xfba69-7A |
| 78 | 0.000 | 48.364 | Xbcd1124-1B |
| 926 | 20.462 | 34.696 | Xfba382-7A |
| 1854 | 36.383 | 38.000 | Xmwg549-6D |
| 1850 | 12.540 | 52.529 | Xabg466-6D |
| 1849 | 13.062 | 62.089 | Xbcd1821-6D |
| 1848 | 14.250 | 67.469 | Xpsr889-6D |
| 1851 | 11.176 | 58.541 | Xbcd342-6D |
| 1852 | 9.120 | 60.226 | Xfba307-6D |
| 1853 | 14.509 | 60.109 | Xpsr964-6D |
| 1855 | 6.453 | 53.946 | Xpsr8(Cxp3)-6D |
| 1856 | 8.941 | 48.556 | Xfba1-6D |
| 1857 | 6.453 | 53.405 | XksuG48-6D |
| 1858 | 15.057 | 40.714 | Xfba187-6D |
| 1859 | 2.235 | 51.623 | Xfbb354-6D |
| 1860 | 2.151 | 51.623 | Xfbb319-6D |
| 1861 | 12.214 | 48.857 | Xfba85-6D |
| 1862 | 12.906 | 40.714 | Xfbb222-6D |
| 1863 | 6.453 | 45.170 | Xfbb231.1-6D |
| 1865 | 14.250 | 47.321 | Xfbb283-6D |
| 1868 | 13.902 | 60.886 | Xcdo270-6D |
| 1869 | 8.769 | 54.889 | Xabc173-6D |
| 1872 | 6.453 | 54.889 | Xfba336-6D |
| 1873 | 3.027 | 56.496 | Xbcd1398-6D |
| 1870 | 0.000 | 60.000 | Xcdo534-6D |
| 1871 | 1.036 | 60.531 | Xtam31-6D |
| 1874 | 5.377 | 63.218 | Xabg20-6D |
| 1875 | 2.073 | 60.109 | Xbcd1716-6D |
| 1876 | 18.059 | 62.089 | Xbcd357-6D |
| 1877 | 9.120 | 57.553 | Xabc175-6D |
| 1878 | 17.208 | 62.182 | Xfba381-6D |

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|------|--------|--------|------------------|
| 1879 | 27.360 | 58.075 | Xfbb231.2-6D |
| 1880 | 25.592 | 64.528 | Xfba81-6D |
| 1883 | 16.979 | 54.808 | Xfbb169-6D |
| 1881 | 8.854 | 64.673 | Xcmwg669-6D |
| 1884 | 4.903 | 69.028 | Xtam28-6D |
| 1882 | 14.414 | 62.516 | Xcsb112(Dhn5)-6D |
| 1885 | 12.540 | 62.278 | XksuE14-6D |
| 1888 | 9.702 | 62.971 | Xbcd1319-6D |
| 1886 | 9.212 | 57.000 | XksuD1-6D |
| 1887 | 25.333 | 55.944 | Xcdo836-6D |
| 1889 | 31.274 | 58.000 | Xbcd1510-6D |
| 1890 | 10.556 | 57.504 | XksuD27-6D |
| 1891 | 0.000 | 53.891 | Xfbb59-6D |
| 1892 | 15.057 | 54.964 | Xfbb70-6D |
| 1893 | 36.524 | 70.865 | Xmwg2053-6D |
| 97 | 17.371 | 49.472 | XGli1-1D |
| 99 | 0.000 | 56.496 | Xbcd1434-1D |
| 100 | 7.125 | 55.487 | XksuD14-1D.2 |
| 98 | 5.327 | 63.558 | XksuD14-1D.1 |
| 117 | 6.706 | 54.889 | Xwhs179-1D.1 |
| 101 | 7.389 | 61.222 | Xmwg938-1D |
| 118 | 13.029 | 65.000 | Xwhs179-1D.2 |
| 103 | 3.403 | 55.371 | Xcnl7-1D |
| 71 | 0.000 | 54.522 | Xmwg837-1B.1 |
| 102 | 10.364 | 54.522 | Xmwg837-1D |
| 104 | -- | 53.339 | Xabc156-1D |
| | | | |
| 1465 | 21.976 | 59.036 | Xcdo549-3D |
| 1466 | 2.923 | 63.786 | Xbcd1802-3D |
| 1473 | 0.000 | 65.769 | Xfba190-3D |
| 1471 | 4.560 | 67.556 | Xfbb370-3D |
| 1467 | 3.738 | 61.981 | Xbcd907-3D |
| 1469 | 0.000 | 61.385 | XgbxG265-3D |
| 1468 | 0.000 | 58.676 | Xgwm71-3D |
| 1470 | 0.000 | 63.577 | Xfbb278-3D |
| 1472 | 19.655 | 55.100 | Xgwm161-3D |
| 1474 | 22.244 | 57.000 | Xfba091-3D |
| 1481 | 12.667 | 47.880 | Xksua6-3D |
| 1479 | 4.560 | 53.946 | Xcdo407-3D |
| 1480 | 8.941 | 62.588 | Xgwm2-3D |
| 1475 | 6.218 | 64.255 | Xfba241-3D |
| 1476 | 5.377 | 51.451 | Xbcd1532-3D |
| 1477 | 6.453 | 58.075 | Xcdo1435-3D |
| 1478 | 26.945 | 61.000 | Xmwg22-3D |
| 1486 | 18.826 | 70.473 | Xbcd134-3D |
| 1482 | 7.125 | 54.964 | Xmwg688-3D |
| 1483 | 1.810 | 58.781 | Xgwm341-3D |

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| 1485 | 0.000 | 63.706 | Xgwm456-3D |
| 1487 | 0.000 | 61.560 | Xfbb324-3D |
| 1484 | 0.000 | 50.160 | Xgwm497-3D |
| 1488 | 13.412 | 59.192 | Xgwm52-3D |
| 1489 | 6.218 | 58.541 | Xabc176-3D |
| 1490 | 16.889 | 62.182 | XgbxG305-3D |
| 1492 | 10.755 | 55.459 | Xbcd288-3D |
| 1493 | 10.962 | 64.528 | Xfba159-3D |
| 1491 | 15.057 | 64.125 | Xcdo1406-3D |
| 1494 | 0.000 | 73.889 | Xfbb023-3D |
| 1495 | 3.455 | 73.765 | Xfbb237-3D |
| 1496 | 18.689 | 66.358 | XgbxR187-3D |
| 1498 | 12.175 | 47.135 | Xgwm645-3D |
| 1499 | 5.644 | 54.233 | Xgwm664-3D |
| 1501 | 4.302 | 59.036 | Xbcd22-3D |
| 1500 | 4.302 | 61.222 | Xbcd372-3D |
| 1502 | 6.333 | 56.486 | Xbcd1555-3D |
| 1497 | 8.291 | 64.255 | Xfba330-3D |
| 1504 | 8.523 | 58.513 | Xwg110-3D |
| 1505 | 13.850 | 59.111 | Xbcd515-3D |
| 1508 | 11.400 | 57.504 | Xksuh15-3D |
| 1507 | 17.100 | 62.182 | Xksud19-3D |
| 1506 | 8.143 | 60.677 | Xgwm383-3D |
| 1503 | 7.125 | 66.952 | Xgbx3864-3D |
| 1511 | 8.941 | 70.981 | Xfba310-3D |
| 1510 | 6.000 | 62.971 | Xbcd361-3D |
| 1509 | 18.612 | 52.019 | Xgwm314-3D |
| 1519 | 6.840 | 54.889 | Xksue14-3D |
| 1517 | 2.426 | 57.000 | Xfbb316-3D |
| 1518 | 7.125 | 56.436 | Xgwm3-3D |
| 1514 | 2.073 | 62.182 | Xfbb269-3D |
| 1515 | 0.000 | 64.255 | Xfba027-3D |
| 1516 | 4.385 | 63.333 | Xfba389-3D |
| 1513 | 16.979 | 59.192 | Xfbb147-3D |
| 1512 | 33.957 | 53.510 | Xfbb117-3D |
| 1543 | 21.235 | 53.339 | XksuE3-4A |
| 1544 | 5.481 | 64.528 | Xmwg549-4A |
| 1545 | 4.560 | 63.925 | Xabg390-4A |
| 1546 | 4.385 | 64.673 | Xpsr115-4A |
| 1547 | 4.145 | 64.000 | Xbcd1670-4A |
| 1548 | 11.875 | 58.036 | Xfba4-4A |
| 1549 | 5.534 | 62.377 | Xmwg710-4A |
| 1550 | 3.109 | 65.730 | Xcdo780-4A |
| 1551 | 9.589 | 61.540 | Xcdo475-4A |
| 1552 | 7.458 | 66.500 | XksuD9-4A |
| 1553 | 4.302 | 67.179 | Xbcd130-4A |
| 1554 | 8.291 | 62.182 | Xfba231-4A |

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| 1555 | 17.538 | 58.036 | Xfbb154-4A |
| 1556 | 14.388 | 63.925 | Xcdo665-4A |
| 1557 | 4.183 | 65.291 | Xcdo545-4A |
| 1558 | 10.364 | 64.566 | Xtam72-4A |
| 1559 | 10.962 | 66.327 | Xfba282-4A |
| 1560 | 35.625 | 65.769 | Xfbb114-4A |
| 1352 | 10.459 | 63.798 | Xbcd372-3A |
| 1353 | -- | 61.000 | Xmwig30-3A |
| | | | |
| 1568 | 12.324 | 65.143 | Xcdo795-4B |
| 1572 | 1.009 | 63.558 | Xbcd2026-4B |
| 1574 | 1.018 | 64.000 | Xfba147-4B |
| 1583 | 6.706 | 62.089 | Xbcd1051-4B |
| 1571 | 3.288 | 59.192 | Xcsu25-4B |
| 1581 | 4.071 | 59.000 | Xrz672-4B |
| 1579 | 2.131 | 63.107 | Xabg484-4B |
| 1578 | 2.280 | 63.798 | Xcdo938-4B |
| 1570 | 0.000 | 68.400 | Xfba8-4B |
| 1569 | 0.000 | 68.400 | Xfbb121-4B |
| 1576 | 3.138 | 67.784 | Xbcd749-4B |
| 1577 | 11.830 | 65.143 | Xbcd1262-4B |
| 1575 | 12.416 | 59.111 | Xbcd1250-4B |
| 1573 | 4.701 | 60.729 | Xcdo1128-4B |
| 1580 | 2.235 | 60.353 | Xwg110-4B |
| 1582 | 10.179 | 62.000 | Xrz251-4B |
| 1584 | 13.154 | 63.107 | Xbcd1265-4B |
| 1566 | 6.577 | 67.556 | Xfba78-4B |
| 1567 | 6.453 | 67.556 | Xfbb22-4B |
| 1585 | 2.111 | 60.595 | Xcdo1401-4B |
| 1589 | 0.000 | 64.255 | Xfbb178-4B |
| 1588 | 0.000 | 59.111 | Xmwig2025-4B |
| 1591 | 2.280 | 64.255 | Xfba41-4B |
| 1587 | 3.403 | 59.664 | XksuG10-4B |
| 1586 | 4.886 | 61.014 | Xcn17-4B |
| 1592 | 0.000 | 56.486 | Xcdo1312-4B |
| 1593 | 2.111 | 56.374 | XksuE2-4B |
| 1590 | 6.577 | 63.333 | Xfbb58-4B |
| 1596 | 2.478 | 62.860 | Xwg114-4B |
| 1597 | 2.375 | 67.469 | Xfbb182-4B |
| 1595 | 1.027 | 56.496 | Xcdo1528-4B |
| 1594 | 21.509 | 57.000 | Xcdo20-4B |
| 1598 | 6.218 | 62.182 | Xfbb67-4B |
| 1600 | 12.436 | 64.255 | Xfbb255-4B |
| 1599 | 13.959 | 68.400 | Xfba177-4B |
| 1601 | -- | 57.000 | Xbcd402-4B |
| | | | |
| 1619 | 2.018 | 40.354 | Xcdo949-4D |

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|------|--------|--------|---------------|
| 1618 | 12.667 | 43.000 | Xbcd1431-4D.2 |
| 1617 | 21.111 | 54.889 | Xfba177-4D |
| 1616 | 23.222 | 64.255 | Xfbb226-4D |
| 1615 | 4.071 | 59.522 | Xcdo1081-4D |
| 1614 | 21.375 | 58.513 | Xbcd1431-4D.1 |
| 1613 | 14.778 | 53.469 | Xcdo1312-4D |
| 1612 | 12.906 | 70.473 | Xfbb178-4D |
| 1611 | 17.047 | 61.622 | Xbcd15-4D |
| 1610 | 17.538 | 57.000 | Xbcd1117-4D |
| 1609 | 2.073 | 62.182 | Xfbb336-4D |
| 1606 | 8.291 | 64.255 | Xfbb251-4D |
| 1608 | 8.769 | 61.000 | XksuF8-4D |
| 1607 | 15.405 | 55.121 | Xbcd327-4D |
| 1604 | 14.509 | 66.327 | Xfbb13-4D |
| 1605 | 27.982 | 62.000 | Xbcd265-4D |
| 1603 | 37.269 | 60.109 | Xcdo669-4D |
| 1602 | 33.778 | 52.778 | Xmwig634-4D |
| 706 | 6.218 | 49.745 | Xfba393-5D |
| 707 | 13.154 | 51.818 | Xfba114-5D |
| 708 | 11.400 | 48.231 | Xfbb238-5D |
| 709 | 10.755 | 58.075 | Xfba137-5D |
| 710 | 6.641 | 45.000 | XksuD30-5D |
| 711 | 17.273 | 52.019 | Xcmwig770-5D |
| 712 | 14.657 | 60.257 | Xmwig561-5D |
| 713 | 23.204 | 47.000 | Xcdo412-5D |
| 715 | 10.270 | 50.442 | Xcdo57-5D |
| 716 | 12.906 | 53.405 | Xbcd1874-5D |
| 714 | 37.309 | 58.036 | Xfbb156-5D |
| 243 | 20.727 | 61.000 | W2I-2D |
| 246 | 17.348 | 45.600 | Xfba83-2D |
| 244 | 14.710 | 65.814 | Xcmwig682-2D |
| 245 | 11.400 | 48.709 | Xcdo456-2D |
| 247 | 4.145 | 48.000 | Xbcd18-2D |
| 248 | 7.600 | 46.636 | Xbcd1970-2D |
| 249 | 12.000 | 41.167 | Xbcd718-2D |
| 250 | 15.545 | 52.347 | Xbcd102-2D |
| 251 | 2.073 | 47.673 | Xfba400-2D |
| 252 | 20.520 | 45.600 | Xfba88-2D |
| 254 | 11.830 | 41.943 | Xbcd611-2D |
| 255 | 28.000 | 53.000 | Xcdo1379-2D |
| 257 | 14.124 | 51.000 | Xcdo1479-2D |
| 258 | 16.889 | 49.434 | Xbcd262-2D |
| 259 | 18.655 | 51.818 | Xfbb279-2D |
| 262 | 2.426 | 49.745 | Xfba341-2D.1 |
| 261 | 12.667 | 52.440 | Xcdo405-2D |
| 260 | 19.404 | 53.946 | Xwsu1-2D |
| 263 | 4.750 | 40.375 | Xfba38-2D |

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|-----|--------|--------|--------------|
| 265 | 15.405 | 53.000 | Xbcd260-2D |
| 266 | 4.145 | 56.486 | Xbcd120-2D |
| 267 | 12.906 | 57.000 | Xbcd111-2D |
| 270 | 2.151 | 49.745 | Xfba74-2D |
| 269 | 4.385 | 49.472 | Xfbb99-2D |
| 268 | 12.667 | 50.442 | Xtam8-2D |
| 272 | 0.000 | 49.745 | Xfbb122-2D |
| 278 | 0.000 | 49.745 | Xfba64-2D |
| 273 | 0.000 | 49.745 | Xfba111-2D |
| 274 | 0.000 | 47.321 | Xfbb32-2D |
| 271 | 0.000 | 49.472 | Xfba62-2D |
| 277 | 0.000 | 49.745 | Xfba61-2D |
| 275 | 0.000 | 49.745 | Xfba341-2D.2 |
| 276 | 12.906 | 49.745 | Xfbb284-2D |
| 279 | 8.604 | 58.075 | Xfbb68-2D |
| 280 | 12.436 | 59.000 | Xcdo1008-2D |
| 281 | 2.111 | 51.818 | Xfba116-2D |
| 282 | 8.444 | 52.778 | Xfbb9-2D |
| 283 | 10.364 | 60.109 | Xfbb251-2D |
| 284 | 22.800 | 53.891 | Xfbb72-2D |
| 293 | 17.100 | 39.551 | Xcdo36-2D |
| 294 | 6.453 | 41.455 | Xfba314-2D |
| 290 | 0.000 | 47.321 | Xfbb377-2D |
| 296 | 6.333 | 49.745 | Xfba209-2D.2 |
| 285 | 3.081 | 51.911 | XksuH9-2D |
| 286 | 2.054 | 50.442 | Xglk558-2D |
| 287 | 5.135 | 48.857 | XksuD23-2D |
| 289 | 4.606 | 53.946 | Xrz444-2D |
| 291 | 10.577 | 54.720 | Xbcd410-2D |
| 292 | 17.882 | 53.339 | XksuH16-2D |
| 295 | 37.309 | 58.036 | Xfba311-2D |
| 657 | 6.333 | 58.036 | Xfbb277-5B |
| 659 | 12.324 | 56.486 | Xbcd873-5B |
| 660 | 20.727 | 49.000 | Xcdo959-5B |
| 662 | 2.073 | 64.255 | Xfba367-5B |
| 661 | 16.582 | 66.327 | Xfbb121-5B.1 |
| 663 | 4.145 | 58.036 | Xfba393-5B |
| 664 | 6.218 | 53.891 | Xfba342-5B |
| 665 | 10.556 | 54.000 | Xbcd1871-5B |
| 666 | 9.068 | 58.056 | Xabg705-5B |
| 667 | 2.621 | 57.000 | Xcdo749-5B |
| 669 | 6.980 | 59.235 | Xpsr929-5B |
| 668 | 12.667 | 59.111 | Xfba232-5B |
| 671 | 4.145 | 52.000 | Xwg909-5B |
| 681 | 6.218 | 58.036 | Xfba127-5B |
| 675 | 9.000 | 53.000 | Xbcd157-5B |
| 676 | 10.270 | 54.000 | Xcdo412-5B |

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| 678 | 9.243 | 57.514 | Xtam72-5B |
| 677 | 5.278 | 57.000 | Xwg889-5B |
| 679 | 7.458 | 52.778 | XksuA1-5B |
| 670 | 9.402 | 49.875 | Xabc164-5B |
| 672 | 3.638 | 56.424 | Xmwg561-5B |
| 673 | 3.288 | 52.615 | Xpsr128-5B |
| 674 | 15.200 | 48.270 | Xpsr574-5B |
| 682 | 6.840 | 48.396 | Xbcd1140-5B |
| 680 | 10.755 | 53.891 | Xfbb121-5B.2 |
| 683 | 4.606 | 54.432 | Xmwg52-5B |
| 685 | 4.560 | 58.118 | Xabg473-5B |
| 684 | 6.162 | 57.000 | Xcdo1192-5B |
| 686 | -- | 51.451 | Xbcd508-5B |
| | | | |
| 1640 | 23.265 | 59.280 | Xfba190-5A |
| 1642 | 8.444 | 52.460 | Xbcd183-5A |
| 1639 | 8.291 | 60.109 | Xfba166-5A |
| 1641 | 22.800 | 51.818 | Xfbb255-5A |
| 1638 | 14.509 | 52.460 | Xbcd1235-5A.1 |
| 1637 | 5.429 | 64.255 | Xfbb2-5A |
| 1636 | 15.033 | 56.374 | Xmwg624-5A |
| 1635 | 34.415 | 58.056 | Xmwg522-5A |
| 390 | 12.667 | 58.036 | Xfba091-3B |
| 389 | 27.636 | 57.851 | Xgwm533-3B.2 |
| 388 | 19.358 | 53.405 | Xtam61-3B |
| 387 | 6.577 | 52.778 | Xtam47-3B |
| 386 | 8.769 | 49.745 | Xfbb185-3B |
| 385 | 10.556 | 51.412 | Xcdo460-3B |
| 384 | 19.322 | 40.576 | Xgwm493-3B |
| 379 | 9.913 | 52.870 | Xgwm533-3B.1 |
| 381 | 15.057 | 48.857 | Xksug53-3B |
| 383 | 9.500 | 52.778 | Xfbb166-3B |
| 382 | 21.111 | 49.875 | Xfba190-3B |
| 378 | 3.677 | 53.323 | Xgwm389-3B |
| 377 | 8.769 | 51.351 | Xbcd907-3B |
| 376 | 18.240 | 48.556 | Xfba311-3B |
| 380 | 33.682 | 54.720 | Xfbb147-3B.1 |
| 126 | 10.101 | 60.562 | Xbcd348-2A.1 |
| 129 | 3.886 | 67.648 | Xcmwg682-2A |
| 128 | 0.000 | 60.109 | Xcdo456-2A.1 |
| 127 | 4.653 | 59.192 | Xfba82-2A |
| 131 | 2.327 | 49.745 | Xcdo447-2A |
| 130 | 25.650 | 57.000 | Xfba70-2A.1 |
| 132 | 29.163 | 26.220 | Xcdo456-2A.2 |
| 288 | 33.250 | 22.800 | Xfba209-2D.1 |
| 973 | 20.267 | 32.097 | Xtam50-7B |
| 371 | 15.960 | 24.115 | Xfbb293-3A.4 |

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| 370 | 6.453 | 44.094 | Xmwg12-3A |
| 372 | 0.000 | 46.407 | Xmwg11-3A |
| 373 | 8.941 | 39.462 | Xfbb237-3A |
| 369 | 4.385 | 45.170 | Xfbb293-3A.3 |
| 368 | 30.475 | 47.416 | Xabc172-3A.1 |
| 367 | 28.500 | 78.235 | Xabc172-3A.2 |
| 366 | 19.463 | 62.067 | Xtam63-3A |
| 880 | 10.364 | 59.192 | Xfbb169-6D |
| 879 | 3.677 | 50.258 | Xcsb112(Dhn5)-6D |
| 881 | 8.854 | 44.972 | Xtam28-6D |
| 878 | 20.267 | 47.135 | Xcmwg669-6D |
| 877 | 27.360 | 49.472 | Xfba81-6D |
| 876 | 17.208 | 55.925 | Xfbb231.2-6D |
| 875 | 13.680 | 51.818 | Xfba381-6D |
| 874 | 22.574 | 47.592 | Xabc175-6D |
| 873 | 2.073 | 51.911 | Xbcd357-6D |
| 872 | 5.377 | 53.891 | Xbcd1716-6D |
| 871 | 1.036 | 50.782 | Xabg20-6D |
| 868 | 0.000 | 53.469 | Xtam31-6D |
| 867 | 3.027 | 54.000 | Xcdo534-6D |
| 870 | 2.151 | 55.487 | Xbcd1398-6D |
| 869 | 8.769 | 59.111 | Xfba336-6D |
| 866 | 13.902 | 59.111 | Xabc173-6D |
| 865 | 14.250 | 53.114 | Xcdo270-6D |
| 862 | 6.453 | 66.679 | Xfbb283-6D |
| 860 | 15.960 | 68.830 | Xfbb231.1-6D |
| 863 | 6.552 | 63.218 | Xmwg916-6D |
| 861 | 5.846 | 59.533 | Xpsr106-6D |
| 864 | -- | 59.938 | Xpsr627-6D |
| | | | |
| 1719 | 10.270 | 60.595 | Xbcd1874-5D |
| 1718 | 12.667 | 63.558 | Xcdo57-5D |
| 1717 | 18.655 | 55.964 | Xfbb156-5D |
| 1716 | 14.657 | 64.000 | Xcdo412-5D |
| 1715 | 14.657 | 53.743 | Xmwg561-5D |
| 1713 | 5.534 | 62.000 | XksuD30-5D |
| 1714 | 16.286 | 59.767 | Xcmwg770-5D |
| 1712 | 11.400 | 55.925 | Xfba137-5D |
| 1711 | 13.154 | 65.769 | Xfbb238-5D |
| 1710 | 6.218 | 62.182 | Xfba114-5D |
| 1709 | 33.778 | 64.255 | Xfba393-5D |
| 599 | 35.889 | 61.222 | Xmwg634-4D |
| 955 | 4.302 | 58.036 | Xfba311-7B |
| 949 | 0.000 | 60.226 | Xfba371-7B |
| 954 | 8.291 | 62.182 | Xfbb193-7B |
| 946 | 6.577 | 58.036 | Xfbb195-7B |
| 947 | 7.255 | 66.327 | Xbcd385-7B |

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| 948 | 14.509 | 67.000 | Xbcd1338-7B |
| 940 | 7.435 | 55.964 | Xfbb150-7B |
| 943 | 7.435 | 57.000 | Xfba32-7B |
| 944 | 8.604 | 55.964 | Xfbb226-7B |
| 945 | 7.189 | 60.054 | Xwg180-7B |
| 941 | 6.514 | 54.478 | Xbcd310-7B |
| 942 | 8.028 | 57.803 | Xcnl8-7B |
| 950 | 3.109 | 59.000 | Xbcd98-7B |
| 952 | 4.262 | 59.073 | Xcdo551-7B |
| 951 | 4.145 | 61.622 | Xbcd349-7B |
| 953 | 8.367 | 64.566 | Xabc455-7B |
| 956 | 9.913 | 61.145 | Xbcd178-7B |
| 958 | 9.194 | 62.783 | Xcnl7-7B |
| 957 | 13.282 | 55.371 | Xrz476-7B |
| 959 | 6.453 | 64.125 | Xwg514-7B |
| 961 | 8.444 | 62.182 | Xfba354-7B |
| 969 | 8.444 | 59.111 | Xfba301-7B |
| 960 | 4.145 | 62.182 | Xfbb258-7B |
| 962 | 4.145 | 58.036 | Xfbb179-7B |
| 967 | 8.604 | 53.891 | Xfbb175-7B |
| 966 | 2.235 | 55.459 | Xwg686-7B |
| 965 | 0.000 | 53.774 | Xfbb352-7B |
| 964 | 8.143 | 58.118 | Xfba305-7B |
| 963 | 25.909 | 60.000 | Xcdo686-7B |
| 968 | 33.957 | 60.226 | Xfba259-7B |
| 1520 | 28.500 | 61.886 | Xksug59-3D |
| 1186 | 8.941 | 57.000 | Xfbb274-2B |
| 1187 | 17.882 | 61.385 | Xfba280-2B |
| 1193 | 2.111 | 63.333 | Xfbb121-2B |
| 1192 | 0.000 | 62.182 | Xfbb40-2B |
| 1194 | 2.073 | 62.182 | Xfba4-2B |
| 1195 | 12.000 | 70.000 | Xbcd18-2B |
| 1196 | 9.771 | 64.000 | Xrz69-2B |
| 1197 | 6.706 | 61.886 | Xrz444-2B |
| 1189 | 0.000 | 66.327 | Xfba29-2B |
| 1190 | 6.218 | 66.327 | Xfbb62-2B |
| 1188 | 8.291 | 54.000 | Xbcd1184-2B |
| 1191 | 19.731 | 60.109 | Xfba272-2B |
| 1198 | 13.959 | 59.192 | Xfba106-2B |
| 1199 | 8.523 | 72.919 | Xmwg950-2B |
| 1200 | 8.312 | 64.844 | Xtam72-2B |
| 1201 | 5.758 | 62.182 | Xcdo405-2B |
| 1202 | 12.106 | 63.000 | Xwsu1-2B |
| 1206 | 4.108 | 68.602 | Xbcd1709-2B |
| 1205 | 2.375 | 69.214 | Xbcd152-2B |
| 1203 | 0.000 | 62.816 | Xfbb47-2B |
| 1204 | 4.145 | 62.182 | Xfba374-2B |

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|------|--------|--------|-----------------|
| 1214 | 0.000 | 66.327 | Xfbb226-2B |
| 1213 | 0.000 | 67.962 | Xfbb4-2B |
| 1212 | 0.000 | 66.679 | Xfbb21-2B |
| 1211 | 2.235 | 65.444 | Xfbb75-2B |
| 1207 | 3.167 | 70.722 | Xtam18-2B |
| 1208 | 4.000 | 69.000 | XksuF11-2B |
| 1209 | 3.000 | 69.000 | Xcdo370-2B |
| 1210 | 11.000 | 72.000 | Xbcd260-2B |
| 1215 | 9.327 | 65.000 | Xwg996-2B |
| 1216 | 5.182 | 63.218 | Xcdo388-2B |
| 1217 | 12.436 | 60.000 | Xbcd1119-2B |
| 1218 | 0.000 | 55.964 | Xfbb335-2B |
| 1219 | 6.840 | 53.774 | Xfba199-2B |
| 1220 | 10.857 | 62.649 | Xbcd445-2B |
| 1221 | 11.400 | 59.111 | Xcdo684-2B |
| 1222 | 19.000 | 57.000 | Xcn16-2B |
| 1223 | 16.142 | 63.000 | Xbcd1779-2B |
| 1224 | 8.523 | 65.575 | Xbcd307-2B |
| 1225 | 7.125 | 64.991 | Xmwg2025-2B |
| 1226 | 2.111 | 60.109 | Xfbb284-2B |
| 1229 | 0.000 | 63.333 | Xfba61-2B |
| 1227 | 2.151 | 62.182 | Xfba62-2B.2 |
| 1230 | 4.302 | 58.075 | Xfba345-2B |
| 1228 | 2.192 | 60.109 | Xfba276-2B |
| 1231 | 4.183 | 67.982 | Xbcd1095-2B |
| 1233 | 7.458 | 67.593 | Xwsu2-2B |
| 1232 | 4.471 | 70.318 | Xbcd135-2B |
| 1234 | 6.218 | 58.036 | Xfba116-2B |
| 1235 | 35.236 | 63.676 | Xmwg546-2B |
| 1244 | 8.550 | 49.745 | Xfba310-2B |
| 1245 | 25.169 | 46.312 | Xbcd1231-2B |
| 1243 | 10.729 | 46.941 | Xcdo36-2B |
| 1242 | 11.720 | 51.911 | XksuD23-2B |
| 1241 | 6.980 | 50.202 | Xglk558-2B |
| 1240 | 9.306 | 59.192 | Xfba385-2B |
| 1238 | 5.135 | 51.351 | Xcdo678-2B |
| 1239 | 10.364 | 50.000 | Xmwg660-2B |
| 1237 | 25.811 | 53.891 | Xfba359-2B |
| 1236 | 26.308 | 40.868 | Xfbb113-2B |
| 773 | 5.067 | 56.400 | Xpsr463(Prk)-6A |
| 774 | 4.653 | 57.533 | Xpsr915-6A |
| 772 | 5.588 | 54.808 | Xcdo772-6A |
| 768 | 2.054 | 52.929 | Xbcd758-6A |
| 771 | 10.469 | 54.964 | Xbcd1860-6A |
| 775 | 14.250 | 52.440 | Xtam36-6A |
| 778 | 4.471 | 59.073 | Xcdo388-6A |
| 776 | 4.071 | 54.808 | Xfbb170-6A |

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| 777 | 3.677 | 46.216 | Xbcd506-6A |
| 764 | 0.000 | 50.893 | Xfbb192-6A |
| 765 | 4.957 | 52.043 | Xfbb215-6A |
| 766 | 2.151 | 43.019 | Xfbb283-6A |
| 769 | 2.714 | 46.821 | Xfba367-6A |
| 770 | 5.700 | 58.800 | Xcdo204-6A |
| 762 | 0.000 | 47.321 | Xfba397-6A |
| 763 | 6.333 | 48.857 | Xfbb95-6A |
| 761 | 0.000 | 55.459 | Xcdo29-6A |
| 760 | 2.192 | 46.444 | Xfba234-6A |
| 767 | 23.222 | 51.911 | Xcdo1428-6A |
| 758 | 10.231 | 62.278 | Xcdo270-6A |
| 759 | 10.059 | 70.370 | Xcdo1315-6A |
| 757 | 14.509 | 49.745 | Xfba148-6A |
| 756 | 20.727 | 46.821 | Xfbb145-6A |
| 755 | 33.929 | 54.988 | Xpsr312-6A |
| 1866 | 11.793 | 44.564 | Xmwg916-6D |
| 1864 | 5.846 | 54.467 | Xpsr106-6D |
| 1867 | -- | 54.062 | Xpsr627-6D |
| | | | |
| 1796 | 7.600 | 51.363 | Xmwg573-6A |
| 1795 | 11.400 | 53.469 | Xmwg2053-6A |
| 1794 | 6.453 | 60.595 | XksuD27-6A |
| 1793 | 4.145 | 57.000 | Xfbb70-6A |
| 1792 | 0.000 | 60.109 | Xfbb82-6A |
| 1791 | 8.143 | 61.071 | Xfbb221-6A |
| 1789 | 0.000 | 61.071 | Xfbb40-6A |
| 1784 | 4.222 | 63.333 | Xfba20-6A |
| 1788 | 2.073 | 65.143 | Xfbb191-6A |
| 1786 | 2.073 | 63.676 | Xcdo836-6A |
| 1787 | 2.192 | 59.522 | Xbcd1510-6A |
| 1790 | 17.208 | 62.377 | Xfba8-6A |
| 1785 | 30.400 | 50.893 | Xfba111-6A |
| 1783 | 6.000 | 60.132 | Xcsb112(Dhn5)-6A |
| 1782 | -- | 54.000 | Xmwg934-6A |
| | | | |
| 1824 | -- | 71.892 | Xbcd1407-6B |
| | | | |
| 1941 | 18.136 | 60.353 | XksuH9-7A |
| 1940 | 14.250 | 50.160 | Xfbb238-7A |
| 1939 | 17.882 | 55.925 | Xfba134-7A |
| 1938 | 35.077 | 42.891 | Xcdo347-7A |
| 1125 | 16.765 | 48.059 | XATPase-1D |
| 1114 | 3.600 | 45.000 | XAdh-1D |
| 1113 | 25.333 | 44.400 | Xcmwg701-1D |
| 1112 | 1.107 | 45.389 | Xcmwg733-1D |
| 1124 | 18.112 | 43.927 | Xbcd1930-1D |

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|------|--------|--------|-------------|
| 1111 | 6.218 | 48.270 | XksuG2-1D |
| 1110 | 5.700 | 55.487 | XksuD49-1D |
| 1123 | 5.758 | 55.307 | Glu-D1 |
| 1109 | 15.278 | 55.459 | XksuG55-1D |
| 1108 | 34.898 | 52.440 | Xcdo312-1D |
| 1122 | -- | 28.500 | Xcdo89-1D |
| | | | |
| 1942 | -- | 42.471 | Xfba42-7B |
| | | | |
| 1973 | 20.629 | 49.745 | Xabc310-7B |
| 1707 | -- | 40.789 | Xabc310-5B |
| | | | |
| 1984 | 23.660 | 50.000 | Xbcd1872-7D |
| 1985 | 12.906 | 47.321 | Xwg834-7D |
| 1986 | 12.796 | 51.000 | Xbcd1438-7D |
| 1988 | 25.024 | 53.510 | Xmwg710-7D |
| 971 | 11.633 | 62.182 | Xfbb67-7B |
| 972 | 32.062 | 60.353 | XksuD2-7B |
| 978 | 15.833 | 61.750 | Xcnl2-7B |
| 977 | 13.062 | 61.071 | Xcdo414-7B |
| 976 | 18.612 | 63.980 | Xrz508-7B |
| 974 | 0.000 | 52.778 | Xfbb189-7B |
| 975 | 29.640 | 53.891 | Xfba21-7B |
| 979 | -- | 80.660 | XksuE18-7B |
| | | | |
| 1989 | -- | 58.629 | Xrz2-7D |
| | | | |
| 2003 | 26.824 | 59.111 | Xfbb189-7D |
| 2002 | -- | 62.377 | XksuE3-7D |
| | | | |
| 2005 | 33.844 | 52.250 | Xcnl6 |
| 984 | 36.712 | 65.906 | Xcnl6-7D |
| 1721 | 25.080 | 70.154 | Xcdo1508-5D |
| 1720 | 25.333 | 60.109 | Xfbb26-5D |
| 1723 | 7.389 | 70.619 | Xbcd450-5D |
| 1722 | 16.582 | 69.028 | Xrz395-5D |
| 1725 | 23.660 | 70.473 | Xfba209-5D |
| 1726 | 2.111 | 65.890 | Xmwg922-5D |
| 1724 | 25.055 | 65.291 | Xmwg900-5D |
| 1727 | 25.650 | 76.800 | Xbcd1103-5D |
| 1728 | 27.143 | 57.600 | Xcdo346-5D |
| 1730 | 0.000 | 53.891 | Xfbb213-5D |
| 1729 | 25.333 | 53.891 | Xfbb100-5D |
| 1731 | 21.509 | 68.602 | Xbcd1670-5D |
| 1733 | 6.577 | 67.556 | Xfba364-5D |
| 1732 | 20.118 | 60.661 | Xbcd1421-5D |
| 1734 | 2.780 | 59.533 | Xbcd87-5D |

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| 1737 | 4.145 | 62.182 | Xfba11-5D |
| 1735 | 1.018 | 62.089 | Xcdo506-5D |
| 1736 | 34.898 | 60.000 | Xbcd197-5D |
| 894 | 4.957 | 67.469 | Xfbb121-7A |
| 892 | 3.386 | 56.457 | Xbcd907-7A |
| 891 | 2.192 | 57.000 | Xcdo545-7A |
| 917 | 2.192 | 58.036 | Xfbb193-7A |
| 893 | 2.192 | 61.385 | Xfba93-7A |
| 897 | 2.073 | 60.109 | Xfba17-7A |
| 899 | 2.073 | 58.036 | Xfba321-7A |
| 900 | 6.218 | 55.964 | Xfba311-7A |
| 895 | 4.302 | 53.891 | Xfbb156-7A |
| 896 | 2.151 | 55.925 | Xfbb278-7A |
| 898 | 2.280 | 60.109 | Xfbb9-7A |
| 901 | 31.920 | 66.120 | Xfba72-7A |
| 902 | 16.582 | 53.891 | Xfba127-7A |
| 903 | 6.218 | 58.036 | Xfba109-7A |
| 904 | 0.000 | 55.964 | Xfbb186-7A |
| 905 | 14.509 | 55.964 | Xfbb67-7A |
| 906 | 19.731 | 58.513 | Xcdo475-7A |
| 907 | 18.424 | 46.686 | Xfba42-7A |
| 908 | 28.500 | 30.611 | Xcdo1395-7A |
| 909 | 17.538 | 42.491 | Xabc158-7A |
| 910 | 21.509 | 51.623 | Xfba248-7A |
| 911 | 28.500 | 51.818 | Xfba340-7A |
| 912 | 19.731 | 63.577 | Xfbb264-7A |
| 914 | 2.000 | 52.000 | Xcdo595-7A |
| 913 | 7.901 | 52.000 | Xbcd1066-7A |
| 915 | 4.222 | 44.020 | Xcdo17-7A |
| 916 | 10.364 | 45.600 | Xfbb343-7A |
| 918 | 2.151 | 47.673 | Xfbb218-7A |
| 919 | 2.151 | 49.472 | Xfba234-7A |
| 920 | 10.364 | 47.673 | Xfba337-7A |
| 921 | 21.375 | 45.000 | Xcdo962-7A |
| 922 | 16.889 | 41.732 | XksuG12-7A |
| 923 | 9.500 | 49.745 | Xfba354-7A |
| 1634 | 5.897 | 56.034 | Xcdo1090-5A |
| 1633 | 6.641 | 64.125 | Xbcd1088-5A |
| 1630 | 13.029 | 59.714 | Xbcd981-5A |
| 1629 | 9.589 | 62.549 | Xcdo57-5A |
| 1632 | 2.131 | 64.991 | Xbcd1949-5A |
| 1631 | 11.000 | 61.000 | Xbcd926-5A |
| 1628 | 13.115 | 58.000 | Xcdo412-5A |
| 1627 | 4.035 | 64.566 | Xbcd1355-5A |
| 1626 | 0.000 | 62.000 | Xbcd157-5A |
| 1625 | 14.103 | 62.377 | Xpsr128-5A |
| 1624 | 17.208 | 64.673 | Xcdo785-5A |

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|------|--------|--------|---------------|
| 1622 | 4.145 | 58.036 | Xfba131-5A |
| 1623 | 10.364 | 58.036 | Xfba352-5A |
| 1621 | 13.200 | 50.400 | Xcdo749-5A |
| 1620 | 39.118 | 61.000 | Xbcd1871-5A |
| 938 | 18.136 | 53.647 | XksuH9-7A |
| 937 | 14.250 | 63.840 | Xfbb238-7A |
| 936 | 17.882 | 58.075 | Xfba134-7A |
| 935 | 35.077 | 71.109 | Xcdo347-7A |
| 122 | 17.882 | 65.941 | XATPase-1D |
| 111 | 2.400 | 64.000 | XAdh-1D |
| 110 | 26.308 | 69.600 | Xcmwg701-1D |
| 121 | 6.641 | 70.073 | Xbcd1930-1D |
| 109 | 16.286 | 63.333 | Xcmwg733-1D |
| 108 | 6.218 | 65.730 | XksuG2-1D |
| 107 | 5.700 | 58.513 | XksuD49-1D |
| 120 | 5.758 | 58.693 | Glu-D1 |
| 106 | 15.278 | 58.541 | XksuG55-1D |
| 105 | 34.898 | 61.560 | Xcdo312-1D |
| 119 | 31.200 | 85.500 | Xcdo89-1D |
| 430 | 5.922 | 79.562 | XATPase-3B.2 |
| 428 | 6.552 | 77.670 | Xcdo1283-3B.2 |
| 401 | 5.229 | 72.165 | Xbcd1380-3B.1 |
| 400 | 1.869 | 67.593 | Xksuh7-3B |
| 419 | 1.932 | 63.541 | Xgwm285-3B |
| 418 | 11.593 | 59.714 | Xgwm376-3B |
| 405 | 5.182 | 64.528 | Xbcd809-3B |
| 429 | 2.280 | 72.960 | Xfbb283-3B |
| 426 | 0.000 | 65.444 | Xfba220-3B |
| 425 | 0.000 | 65.444 | Xfba213-3B |
| 427 | 2.151 | 65.444 | Xfbb348-3B |
| 423 | 0.000 | 65.444 | Xfbb110-3B |
| 422 | 0.000 | 63.577 | Xfba214-3B |
| 424 | 4.471 | 64.255 | Xfbb235-3B |
| 408 | 0.000 | 60.353 | Xfba242-3B |
| 409 | 10.962 | 62.182 | Xfbb177-3B |
| 410 | 9.500 | 59.192 | Xgwm131-3B |
| 406 | 8.941 | 58.056 | Xcdo718-3B |
| 407 | 9.120 | 53.891 | XgbxG469-3B |
| 404 | 8.047 | 65.604 | XATPase-3B.1 |
| 403 | 3.800 | 57.626 | Xcdo1283-3B.1 |
| 402 | 9.913 | 57.000 | Xbcd1380-3B.2 |
| 420 | 9.243 | 59.478 | Xgwm77-3B |
| 421 | 15.057 | 57.000 | Xfbb156-3B |
| 411 | 11.297 | 44.162 | Xcdo583-3B |
| 412 | 21.111 | 41.363 | Xbcd1418-3B |
| 414 | 15.200 | 46.444 | Xfbb117-3B |
| 397 | 10.364 | 73.286 | XgbxG392-3B |

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|------|--------|--------|------------------|
| 399 | 1.966 | 66.161 | Xpsr689-3B |
| 417 | 2.426 | 59.898 | Xgwm72-3B |
| 398 | 5.067 | 57.000 | Xpsr903-3B |
| 415 | 2.478 | 64.862 | Xgwm566-3B |
| 416 | 6.840 | 64.528 | Xgwm284-3B |
| 396 | 3.167 | 66.327 | Xcdo1164-3B |
| 395 | 8.769 | 66.757 | Xabg471-3B |
| 394 | 3.353 | 68.400 | XgbxR080-3B |
| 392 | 0.000 | 61.222 | Xfbb142-3B |
| 391 | 2.151 | 61.222 | Xfbb315-3B |
| 393 | 0.000 | 58.075 | Xfbb024-3B |
| 1140 | 8.261 | 74.348 | Xcdo1090-2A |
| 1145 | 10.000 | 63.000 | XksuD18-2A |
| 1138 | 2.000 | 65.000 | Xbcd718-2A |
| 1139 | 3.167 | 67.000 | Xcdo57-2A |
| 1142 | 0.000 | 69.667 | Xbcd1970-2A |
| 1143 | 2.192 | 63.333 | Xfbb61-2A |
| 1144 | 2.151 | 64.528 | Xfbb289-2A |
| 1146 | 4.302 | 62.377 | Xfba280-2A |
| 1141 | 8.291 | 66.327 | Xfbb72-2A |
| 1137 | 12.436 | 75.000 | Xbcd348-2A.2 |
| 1136 | 31.091 | 62.182 | Xfba70-2A.2 |
| 1738 | 5.700 | 53.833 | Xpsr167-6A |
| 1739 | 2.562 | 51.519 | Xbcd342-6A |
| 1740 | 6.196 | 52.149 | Xpsr889-6A |
| 1741 | 4.071 | 59.036 | Xbcd1821-6A |
| 1743 | 2.923 | 61.694 | Xcdo476-6A |
| 1742 | 4.851 | 60.874 | Xbcd21-6A |
| 1267 | 2.111 | 61.222 | Xfba65-2D |
| 1744 | 4.385 | 62.182 | Xfba65-6A |
| 1747 | 6.706 | 70.981 | Xfbb194-6A |
| 1746 | 4.302 | 68.830 | Xfbb147-6A |
| 1745 | 12.906 | 69.667 | Xfbb209-6A |
| 1752 | 2.092 | 51.451 | XksuG48-6A |
| 1753 | 5.377 | 49.745 | Xmwg67-6A |
| 1749 | 6.706 | 49.745 | Xpsr8(Cxp3)-6A |
| 1748 | 6.706 | 60.226 | Xfba307-6A |
| 1750 | 8.444 | 47.243 | Xcmwg652-6A |
| 1751 | 22.800 | 67.179 | Xfbb166-6A |
| 1754 | 19.339 | 58.513 | Xpsr10(Gli-2)-6A |
| 1755 | 12.436 | 56.496 | XksuH4-6A |
| 1756 | 0.000 | 69.214 | Xfba85-6A |
| 1757 | 26.681 | 69.214 | Xfba152-6A |
| 1994 | 16.931 | 51.519 | Xcdo775-7D |
| 1992 | 9.306 | 54.432 | Xwg719-7D |
| 1993 | 25.080 | 44.706 | Xfbb112-7D |
| 1991 | 29.556 | 49.434 | Xbcd707-7D |

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|------|--------|--------|--------------|
| 1990 | 35.765 | 47.673 | Xfba377-7D |
| 1003 | 10.962 | 52.778 | XksuD14-1A.1 |
| 1004 | 7.125 | 55.944 | XGli1-1A |
| 1005 | 19.979 | 66.120 | XksuD14-1A.2 |
| 1006 | 17.812 | 59.615 | Xcdo426-1A |
| 1007 | 6.786 | 70.242 | Xabc156-1A |
| 1008 | 5.067 | 69.340 | XGli3-1A |
| 1009 | 9.589 | 67.121 | XksuE18-1A |
| 1010 | 7.321 | 65.575 | Xbcd98-1A.1 |
| 1032 | 6.514 | 61.706 | Xbcd98.2-1A |
| 1011 | 9.500 | 57.523 | XksuG9-1A |
| 1012 | 4.145 | 61.540 | Xmwg67-1A |
| 1013 | 6.706 | 59.568 | Xcdo580-1A |
| 1014 | 11.400 | 59.235 | Xrz244-1A |
| 1018 | 0.000 | 61.071 | Xabg452-1A |
| 1019 | 0.000 | 61.622 | Xwg605-1A |
| 1016 | 2.036 | 61.071 | Xcdo98-1A |
| 1015 | 2.235 | 59.522 | Xbcd1072-1A |
| 1017 | 12.294 | 54.765 | Xabg373-1A |
| 1020 | 14.124 | 67.000 | Xcdo473-1A |
| 1033 | 24.971 | 79.699 | Xbcd1407-1A |
| 1021 | 20.188 | 60.226 | Xcdo312-1A |
| 1022 | 25.618 | 60.950 | Glu-A1 |
| 1035 | 12.667 | 47.406 | XksuE3-1A |
| 1037 | 12.436 | 54.432 | Xbcd808-1A.2 |
| 1036 | 3.109 | 47.416 | Xbcd1889-1A |
| 1034 | 2.073 | 44.162 | Xbcd808-1A.1 |
| 1038 | 4.222 | 45.398 | Xbcd1930-1A |
| 1023 | 4.385 | 48.110 | Xcmwg733-1A |
| 1024 | 16.602 | 46.444 | Xbcd265-1A |
| 1025 | 6.772 | 52.698 | Xcmwg706-1A |
| 1039 | 2.131 | 46.018 | XksuH9-1A |
| 1026 | -- | 44.162 | XksuH14-1A |