

### SingleExon (1075)

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| chr10 | 102139099 | 102142004 |
| chr10 | 102360183 | 102360395 |
| chr10 | 11851996  | 11852215  |
| chr10 | 11956319  | 11956523  |
| chr10 | 124045666 | 124046724 |
| chr10 | 124681606 | 124682379 |
| chr10 | 124706635 | 124706887 |
| chr10 | 125038996 | 125039155 |
| chr10 | 133467197 | 133467353 |
| chr10 | 14896845  | 14897517  |
| chr10 | 15283877  | 15284105  |
| chr10 | 27169943  | 27171083  |
| chr10 | 27208245  | 27208445  |
| chr10 | 28595732  | 28596041  |
| chr10 | 30450257  | 30450519  |
| chr10 | 31461036  | 31461237  |
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| chr10 | 50343491  | 50344345  |
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| chr10 | 72196810  | 72196989  |
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| chr11 | 108267170 | 108267342 |
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| chr11 | 68537658  | 68537891  |
| chr11 | 70272172  | 70272436  |
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| chr12 | 104927972 | 104928694 |
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| chr12 | 110342227 | 110342448 |
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| chr12 | 124372021 | 124372610 |
| chr12 | 12635776  | 12635974  |
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| chr12 | 12908242  | 12909171  |
| chr12 | 132729678 | 132730270 |
| chr12 | 132754674 | 132755133 |
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| chr12 | 63802090  | 63802405  |
| chr12 | 6521797   | 6522037   |
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| chr12 | 8930434   | 8930927   |
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| chr13 | 21045684  | 21046230  |
| chr13 | 21167987  | 21168399  |
| chr13 | 24222818  | 24224582  |
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| chr13 | 27581296  | 27581803  |
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| chr13 | 51251467  | 51252201  |
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| chr13 | 72778186  | 72778380  |
| chr13 | 98213219  | 98213413  |
| chr13 | 98519242  | 98519473  |
| chr14 | 102085757 | 102086124 |
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| chr14 | 103405075 | 103405267 |
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| chr14 | 104166858 | 104167048 |
| chr14 | 20407872  | 20408463  |
| chr14 | 23033367  | 23033674  |

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| chr14 | 30605504  | 30605812  |
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| chr14 | 34862043  | 34862322  |
| chr14 | 35053277  | 35053451  |
| chr14 | 39095897  | 39096139  |
| chr14 | 44945029  | 44945928  |
| chr14 | 45175070  | 45176976  |
| chr14 | 45246742  | 45247377  |
| chr14 | 50150007  | 50150230  |
| chr14 | 54702061  | 54702580  |
| chr14 | 54737023  | 54737287  |
| chr14 | 55612018  | 55612571  |
| chr14 | 59726918  | 59727668  |
| chr14 | 62950132  | 62950559  |
| chr14 | 64065431  | 64065650  |
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| chr14 | 92021555  | 92021831  |
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| chr15 | 40571603  | 40571900  |
| chr15 | 41668827  | 41669958  |
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| chr15 | 42736301  | 42736780  |

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| chr15 | 44458990 | 44459200 |
| chr15 | 48644605 | 48644950 |
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| chr15 | 58851770 | 58851965 |
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| chr15 | 64376742 | 64376905 |
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| chr15 | 92967324 | 92967513 |
| chr15 | 98707561 | 98708107 |
| chr16 | 11003073 | 11003305 |
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| chr16 | 12051846 | 12052222 |
| chr16 | 12704623 | 12705049 |
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| chr16 | 1602369  | 1602591  |
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| chr16 | 16056091 | 16056295 |
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| chr16 | 2319580  | 2319840  |

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| chr16 | 50287911 | 50288350 |
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| chr16 | 85633913 | 85634132 |
| chr16 | 9102983  | 9103259  |
| chr16 | 954356   | 954666   |
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| chr17 | 16061400 | 16061894 |
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| chr17 | 19958013 | 19958571 |
| chr17 | 20204332 | 20205912 |
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| chr17 | 37161780 | 37162050 |
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| chr17 | 7448578  | 7448788  |
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| chr17 | 78031515 | 78031842 |
| chr17 | 783082   | 783327   |
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| chr19 | 10143765 | 10143987 |
| chr19 | 10491576 | 10492262 |
| chr19 | 10499394 | 10500080 |
| chr19 | 11113534 | 11113762 |
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| chr19 | 15272814 | 15273133 |
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| chr19 | 19498442 | 19498722 |
| chr19 | 1969507  | 1969959  |

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| chr19 | 30012284  | 30012531  |
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| chr19 | 3381711   | 3382243   |
| chr19 | 34221506  | 34221738  |
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| chr19 | 3623687   | 3624162   |
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| chr19 | 45831383  | 45831588  |
| chr19 | 47352753  | 47353735  |
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| chr1  | 1022200   | 1022462   |
| chr1  | 11013715  | 11013965  |
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| chr1 | 113797362 | 113798036 |
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| chr1 | 203847183 | 203847687 |
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| chr1 | 206205428 | 206206037 |

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| chr8 | 55762634  | 55763028  |

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| chr8 | 63186146  | 63187745  |
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| chr9 | 137728348 | 137728529 |
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| chr9 | 19331977  | 19332184  |
| chr9 | 2161685   | 2161903   |

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| chr9 | 23762005  | 23762249  |
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**MultiExon (27501)**

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| chrX | 53561755 | 53562244 |
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| chrX | 53616969 | 53617446 |
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| chrX | 54467783 | 54471487 |
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| chrX | 55729293 | 55757331 |
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| chrX | 63665885 | 63678572 |
| chrX | 63665885 | 63706449 |
| chrX | 63665885 | 63724711 |
| chrX | 63674037 | 63724711 |
| chrX | 63697124 | 63706449 |
| chrX | 63697124 | 63724711 |
| chrX | 64328771 | 64337393 |
| chrX | 64331556 | 64337393 |
| chrX | 64345044 | 64359527 |
| chrX | 64348659 | 64350070 |
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| chrX | 64349941 | 64359527 |
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| chrX | 68192918 | 68206673 |
| chrX | 68192918 | 68210282 |
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| chrX | 68234486 | 68299096 |
| chrX | 68274737 | 68299096 |
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| chrX | 68511848 | 68521497 |
| chrX | 68511848 | 68522917 |
| chrX | 68513326 | 68521497 |
| chrX | 68513326 | 68522917 |
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| chrX | 70148760 | 70150322 |
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| chrX | 70296997 | 70302398 |
| chrX | 70296997 | 70333689 |
| chrX | 70329404 | 70333689 |
| chrX | 70341798 | 70353807 |
| chrX | 70341798 | 70376210 |
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| chrX | 70406258 | 70407075 |
| chrX | 71137557 | 71137943 |
| chrX | 71290628 | 71294528 |
| chrX | 71368053 | 71375286 |
| chrX | 71368053 | 71387461 |
| chrX | 71381742 | 71387461 |
| chrX | 71381742 | 71389665 |
| chrX | 71383961 | 71389665 |
| chrX | 71397252 | 71398737 |
| chrX | 71397252 | 71401739 |
| chrX | 71398571 | 71401739 |
| chrX | 71398571 | 71408151 |
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| chrX | 71536177 | 71544635 |
| chrX | 71555953 | 71557672 |

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| chrX | 72275543 | 72276234 |
| chrX | 72351732 | 72464731 |
| chrX | 72462003 | 72464731 |
| chrX | 72462003 | 72489041 |
| chrX | 72462003 | 72491006 |
| chrX | 72462003 | 72495268 |
| chrX | 72488932 | 72495268 |
| chrX | 72490928 | 72495268 |
| chrX | 72567888 | 72568884 |
| chrX | 72602157 | 72605619 |
| chrX | 72605270 | 72619305 |
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| chrX | 73577406 | 73584572 |
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| chrX | 75065069 | 75069136 |
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| chrX | 77557450 | 77600564 |
| chrX | 77574249 | 77593849 |
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| chrX | 77616612 | 77620532 |
| chrX | 77654097 | 77664778 |
| chrX | 77663381 | 77664778 |
| chrX | 77663381 | 77676298 |
| chrX | 77688817 | 77696704 |
| chrX | 77688817 | 77698629 |
| chrX | 77688817 | 77717243 |
| chrX | 77830804 | 77841320 |
| chrX | 77856732 | 77857497 |
| chrX | 77870807 | 77875597 |
| chrX | 77988241 | 78003236 |
| chrX | 78012878 | 78020398 |

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| chrX | 78109866 | 78114160 |
| chrX | 78113743 | 78114160 |
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| chrX | 78122834 | 78125425 |
| chrX | 78133337 | 78138098 |
| chrX | 80288905 | 80291024 |
| chrX | 80288905 | 80310233 |
| chrX | 80289663 | 80310233 |
| chrX | 80695907 | 80736088 |
| chrX | 80699956 | 80704846 |
| chrX | 80707426 | 80719656 |
| chrX | 80716156 | 80736088 |
| chrX | 80719488 | 80730020 |
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| chrX | 84333758 | 84361612 |
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| chrX | 84468471 | 84475397 |
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| chrX | 85067126 | 85074391 |
| chrX | 85255258 | 85270146 |
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| chrX | 85956152 | 85964052 |
| chrX | 85978766 | 86027557 |
| chrX | 96735757 | 96738762 |
| chrX | 9684042  | 9697429  |
| chrX | 9688016  | 9692254  |
| chrX | 9688016  | 9697429  |
| chrX | 96881578 | 96918617 |
| chrX | 96912327 | 96918617 |
| chrX | 96912327 | 96930843 |
| chrX | 9691578  | 9692254  |
| chrX | 96930732 | 96945591 |
| chrX | 96937232 | 96945591 |
| chrX | 96937232 | 96965207 |
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| chrX | 96948934 | 96965207 |
| chrX | 97072940 | 97075261 |

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**Intron (3321)**

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| chr10 | 103389417 | 103390429 |
| chr10 | 103390030 | 103390521 |
| chr10 | 103410745 | 103410935 |
| chr10 | 103602610 | 103603852 |
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| chr10 | 11475531  | 11476966  |
| chr10 | 118744925 | 118745319 |
| chr10 | 119160438 | 119160705 |
| chr10 | 119213418 | 119214069 |
| chr10 | 119575690 | 119580538 |
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| chr10 | 124759999 | 124765578 |
| chr10 | 124777061 | 124777777 |
| chr10 | 124807560 | 124815997 |
| chr10 | 124940373 | 124962408 |
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| chr10 | 124942456 | 124962408 |
| chr10 | 125069386 | 125070892 |
| chr10 | 125074742 | 125111882 |
| chr10 | 125074742 | 125122868 |
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| chr10 | 127000174 | 127012312 |
| chr10 | 127051841 | 127052273 |

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| chr10 | 18553509  | 18562797  |
| chr10 | 18556308  | 18558216  |
| chr10 | 18601787  | 18603702  |
| chr10 | 18603780  | 18603923  |
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| chr10 | 245900    | 267102    |
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| chr10 | 30970906  | 30974652  |
| chr10 | 30972169  | 30974652  |
| chr10 | 31355143  | 31358333  |
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| chr10 | 35434112  | 35435247  |
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| chr10 | 545404    | 546112    |
| chr10 | 5689285   | 5714207   |

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| chr10 | 75685991 | 75814212 |

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| chr11 | 117240595 | 117243241 |
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| chr11 | 119004375 | 119005329 |
| chr11 | 119009380 | 119009891 |
| chr11 | 119211307 | 119211542 |
| chr11 | 120575668 | 120577074 |
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| chr11 | 122128024 | 122132832 |
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| chr11 | 123132999 | 123134618 |
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| chr11 | 35139302  | 35176734  |



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| chr11 | 36180660 | 36197771 |
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| chr11 | 46359050 | 46359698 |
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| chr11 | 46811769 | 46812071 |
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| chr11 | 64228264 | 64228894 |
| chr11 | 64274907 | 64281098 |
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| chr11 | 65897995 | 65898726 |
| chr11 | 65898455 | 65898727 |

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| chr11 | 66516415 | 66516915 |
| chr11 | 66516670 | 66517078 |
| chr11 | 66635523 | 66637163 |
| chr11 | 66652276 | 66657259 |
| chr11 | 66756756 | 66762450 |
| chr11 | 66795041 | 66795396 |
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| chr11 | 67125121 | 67125522 |
| chr11 | 67130423 | 67131044 |
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| chr11 | 68824170 | 68824908 |
| chr11 | 68896584 | 68897983 |
| chr11 | 6955614  | 6997020  |
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| chr11 | 9245550   | 9245715   |
| chr11 | 93365346  | 93386041  |
| chr11 | 93790830  | 93791135  |
| chr11 | 9404394   | 9404621   |
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| chr7 | 3434176  | 3440256  |
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| chr7 | 40079326 | 40080082 |
| chr7 | 42227650 | 42228908 |
| chr7 | 43586271 | 43626586 |
| chr7 | 43780120 | 43780886 |
| chr7 | 43963935 | 43965029 |
| chr7 | 44007187 | 44007557 |
| chr7 | 44413190 | 44414027 |
| chr7 | 44468081 | 44468338 |
| chr7 | 44481291 | 44485622 |
| chr7 | 44615108 | 44615762 |
| chr7 | 44841637 | 44843042 |
| chr7 | 4704253  | 4704760  |
| chr7 | 50695591 | 50710990 |
| chr7 | 5313822  | 5345757  |
| chr7 | 5366627  | 5369083  |
| chr7 | 5389754  | 5390115  |
| chr7 | 5391577  | 5392220  |

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| chr7 | 67023295 | 67023549 |
| chr7 | 67032556 | 67032947 |
| chr7 | 67120313 | 67121299 |
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| chr7 | 67320264 | 67356102 |
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| chr7 | 76623120  | 76623531  |
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| chr8 | 140429322 | 140429612 |
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| chr9 | 137651702 | 137655093 |
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| chrX | 130071101 | 130071727 |
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| chrX | 154768143 | 154768699 |
| chrX | 16607023  | 16607972  |
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| chrX | 17477145  | 17512549  |
| chrX | 18933036  | 18935712  |
| chrX | 19368864  | 19369479  |
| chrX | 21855513  | 21855764  |

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**ExonIntron (8124)**

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| chr10 | 100923977 | 100931078 |

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| chr10 | 101812247 | 101813606 |
| chr10 | 101956596 | 102014842 |
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| chr10 | 103967709 | 103993133 |
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| chr10 | 1079555   | 1080476   |
| chr10 | 110295227 | 110304875 |
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| chr16 | 61789345 | 61825179 |
| chr16 | 67820838 | 67821225 |
| chr16 | 70646547 | 70657121 |
| chr16 | 70656601 | 70657121 |
| chr16 | 71894720 | 71921453 |
| chr16 | 71894720 | 71923380 |
| chr16 | 81017325 | 81026638 |
| chr16 | 83670789 | 83678461 |



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| chr17 | 77307140  | 77402703  |
| chr17 | 9608118   | 9612479   |
| chr18 | 14828277  | 14837676  |
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| chr18 | 42212363  | 42226107  |
| chr18 | 47052879  | 47059654  |
| chr18 | 54907785  | 54928882  |
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| chr19 | 10795371  | 10798572  |
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| chr19 | 19630470  | 19642619  |
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| chr19 | 37156228  | 37170054  |
| chr19 | 37344609  | 37347872  |
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| chr19 | 37583970  | 37586745  |
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| chr19 | 38343579  | 38344368  |
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| chr19 | 56511516  | 56516401  |
| chr19 | 56511516  | 56518577  |
| chr19 | 57232032  | 57235058  |
| chr19 | 5724807   | 5737205   |
| chr19 | 5724807   | 5739439   |
| chr1  | 100152384 | 100168594 |
| chr1  | 100156171 | 100168594 |
| chr1  | 108727807 | 108733532 |
| chr1  | 113856381 | 113859460 |
| chr1  | 148863249 | 148889894 |

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| chr1 | 154331678 | 154331953 |
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| chr1 | 197539963 | 197772932 |
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| chr1 | 225304907 | 225324832 |
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| chr2  | 201307518 | 201309250 |

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| chr3 | 132446474 | 132447939 |

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| chr3 | 132733323 | 132828006 |
| chr3 | 149140003 | 149163949 |
| chr3 | 149141016 | 149153648 |
| chr3 | 150423048 | 150438354 |
| chr3 | 150669295 | 150698882 |
| chr3 | 151394655 | 151416422 |
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| chr4 | 169555719 | 169602678 |
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| chr5 | 13817547  | 13841904  |

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| chr5 | 159332781 | 159354121 |
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| chr6 | 125786136 | 125815404 |
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| chr6 | 152233780 | 152249262 |
| chr6 | 158661268 | 158665613 |

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| chr6 | 29621100  | 29631599  |
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| chr6 | 41108304  | 41123249  |
| chr6 | 41117297  | 41118184  |
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| chr6 | 44360445  | 44370113  |
| chr6 | 56735227  | 56900621  |
| chr6 | 71429938  | 71435356  |
| chr6 | 83145523  | 83152367  |
| chr6 | 83147235  | 83156103  |
| chr6 | 84160811  | 84163270  |
| chr6 | 84444386  | 84474929  |
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| chr7 | 100591666 | 100594541 |
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| chr7 | 2700233   | 2709816   |
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| chr7 | 35117747  | 35132369  |
| chr7 | 36335045  | 36336297  |
| chr7 | 40237634  | 40316855  |
| chr7 | 44624316  | 44666851  |
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| chr7 | 64336258  | 64336982  |
| chr7 | 64814917  | 64820323  |
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| chr7 | 77349350  | 77355647  |
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| chr7 | 87359205  | 87361852  |



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| chr7 | 93348710  | 93353761  |
| chr8 | 100165813 | 100177941 |
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| chr8 | 124503839 | 124523002 |
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| chr8 | 132727797 | 132757294 |
| chr8 | 17713213  | 17755961  |
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| chr8 | 61576771  | 61653660  |
| chr8 | 61618977  | 61638363  |
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| chr8 | 66874052  | 66883994  |
| chr8 | 75543810  | 75559037  |
| chr8 | 98222478  | 98254087  |
| chr8 | 98236154  | 98254087  |
| chr9 | 104858521 | 104889195 |
| chr9 | 109258176 | 109268433 |
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| chr9 | 137505613 | 137506083 |
| chr9 | 15744272  | 15784694  |
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| chr9 | 2039465   | 2058464   |
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| chr9 | 97246095  | 97251557  |

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| chrX | 111711674 | 111728305 |
| chrX | 118566573 | 118630490 |
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| chrX | 139585065 | 139588438 |
| chrX | 14895307  | 14911413  |
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| chrX | 38273385  | 38276772  |
| chrX | 47982948  | 47983411  |
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**Intergenic (1826)**

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| chr10 | 130208053 | 130252065 |
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| chr10 | 17744966  | 17746329  |
| chr10 | 21316071  | 21321131  |
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| chr10 | 22448724  | 22448989  |
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| chr10 | 32985384  | 33092437  |

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| chr10 | 34251601  | 34302429  |
| chr10 | 34306571  | 34306996  |
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| chr10 | 57991695  | 58015971  |
| chr10 | 58005316  | 58023651  |
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| chr7 | 84793809  | 84889860  |
| chr7 | 85153607  | 85224441  |
| chr7 | 85191646  | 85193238  |
| chr7 | 88196544  | 88197239  |
| chr7 | 91626135  | 91626656  |
| chr7 | 93786566  | 93797279  |
| chr7 | 94061455  | 94061864  |
| chr7 | 94061455  | 94064477  |
| chr7 | 96665941  | 96673859  |
| chr7 | 96672721  | 96673859  |
| chr7 | 9688501   | 9719071   |
| chr7 | 9708000   | 9716909   |
| chr7 | 9708000   | 9719071   |
| chr7 | 97396868  | 97400188  |
| chr7 | 978011    | 979061    |
| chr8 | 103246293 | 103246684 |
| chr8 | 116637954 | 116641259 |
| chr8 | 117580726 | 117678348 |

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| chr8 | 117797934 | 117799315 |
| chr8 | 12014830  | 12015529  |
| chr8 | 123003992 | 123004504 |
| chr8 | 123452562 | 123453459 |
| chr8 | 127798211 | 127804635 |
| chr8 | 127806368 | 127807862 |
| chr8 | 127842514 | 127843102 |
| chr8 | 127853688 | 127856436 |
| chr8 | 127890211 | 127890493 |
| chr8 | 128152676 | 128155419 |
| chr8 | 129941568 | 129942077 |
| chr8 | 129957132 | 129959543 |
| chr8 | 133408173 | 133408387 |
| chr8 | 134812609 | 134813169 |
| chr8 | 141250923 | 141254211 |
| chr8 | 141296205 | 141300145 |
| chr8 | 142455078 | 142455231 |
| chr8 | 143632289 | 143634770 |
| chr8 | 143638645 | 143638987 |
| chr8 | 143639180 | 143640655 |
| chr8 | 143640578 | 143641432 |
| chr8 | 143640848 | 143644115 |
| chr8 | 144135635 | 144136000 |
| chr8 | 16495792  | 16497989  |
| chr8 | 16495792  | 16514838  |
| chr8 | 36458581  | 36507411  |
| chr8 | 38101049  | 38101406  |
| chr8 | 48424352  | 48429056  |
| chr8 | 54023228  | 54023897  |
| chr8 | 55826706  | 55827423  |
| chr8 | 55827138  | 55827423  |
| chr8 | 56050156  | 56050949  |
| chr8 | 61628999  | 61629368  |
| chr8 | 63558679  | 63560116  |
| chr8 | 66616187  | 66617276  |
| chr8 | 74407087  | 74407621  |
| chr8 | 77006817  | 77007102  |
| chr8 | 77560573  | 77582405  |
| chr8 | 77578034  | 77609934  |
| chr8 | 77582169  | 77587459  |
| chr8 | 77582169  | 77639385  |
| chr8 | 78933742  | 78943071  |
| chr8 | 81549711  | 81596464  |
| chr8 | 81593228  | 81613828  |
| chr8 | 81650820  | 81652327  |

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| chr8 | 8922288   | 8922750   |
| chr8 | 89587890  | 89596481  |
| chr8 | 89587909  | 89596512  |
| chr8 | 90554350  | 90554666  |
| chr8 | 93955054  | 93955893  |
| chr8 | 97569024  | 97601212  |
| chr9 | 105950113 | 105977778 |
| chr9 | 110194874 | 110198574 |
| chr9 | 111946477 | 111946969 |
| chr9 | 112013211 | 112014047 |
| chr9 | 114318193 | 114319492 |
| chr9 | 120126446 | 120132905 |
| chr9 | 120359196 | 120363376 |
| chr9 | 121057893 | 121067564 |
| chr9 | 125263550 | 125273649 |
| chr9 | 125264949 | 125279325 |
| chr9 | 12610570  | 12631607  |
| chr9 | 12610904  | 12631607  |
| chr9 | 127901530 | 127902268 |
| chr9 | 129208868 | 129209236 |
| chr9 | 130815115 | 130816266 |
| chr9 | 131538592 | 131538921 |
| chr9 | 135908651 | 135909486 |
| chr9 | 21324075  | 21330913  |
| chr9 | 22269012  | 22284962  |
| chr9 | 22270998  | 22284962  |
| chr9 | 22270998  | 22301707  |
| chr9 | 22301599  | 22303231  |
| chr9 | 22301599  | 22308883  |
| chr9 | 22466115  | 22468710  |
| chr9 | 22466341  | 22526934  |
| chr9 | 23030864  | 23076101  |
| chr9 | 25527947  | 25622103  |
| chr9 | 2667150   | 2668061   |
| chr9 | 2777872   | 2783594   |
| chr9 | 31942990  | 31973112  |
| chr9 | 32020881  | 32021092  |
| chr9 | 32020881  | 32032270  |
| chr9 | 32112169  | 32121665  |
| chr9 | 32140008  | 32157552  |
| chr9 | 32946387  | 32947618  |
| chr9 | 34680905  | 34682982  |
| chr9 | 35594874  | 35597388  |
| chr9 | 35772162  | 35786775  |
| chr9 | 35780266  | 35782174  |

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| chr9 | 37407284 | 37409356 |
| chr9 | 37873238 | 37873801 |
| chr9 | 37874947 | 37885334 |
| chr9 | 37886217 | 37887520 |
| chr9 | 41736441 | 41736723 |
| chr9 | 42856951 | 42864465 |
| chr9 | 42861683 | 42877817 |
| chr9 | 42978850 | 42986862 |
| chr9 | 5573511  | 5573935  |
| chr9 | 61917467 | 61920435 |
| chr9 | 78275430 | 78275747 |
| chr9 | 78348315 | 78450197 |
| chr9 | 78420279 | 78422192 |
| chr9 | 78420279 | 78422263 |
| chr9 | 78420279 | 78423212 |
| chr9 | 78598224 | 78624433 |
| chr9 | 83574088 | 83575055 |
| chr9 | 83574909 | 83586368 |
| chr9 | 91717306 | 91722580 |
| chr9 | 91718638 | 91719168 |
| chr9 | 93435500 | 93441373 |
| chr9 | 93439402 | 93441373 |
| chr9 | 96146620 | 96147084 |
| chr9 | 96719508 | 96721130 |
| chr9 | 96895895 | 96898127 |
| chr9 | 96895895 | 96903108 |
| chr9 | 96913237 | 96913633 |
| chr9 | 97122170 | 97151237 |
| chr9 | 97135545 | 97139954 |
| chr9 | 97138642 | 97139954 |
| chr9 | 97138781 | 97139954 |
| chr9 | 97139852 | 97144740 |
| chr9 | 97139852 | 97144760 |
| chr9 | 97139852 | 97146151 |
| chr9 | 97139852 | 97148100 |
| chr9 | 97139852 | 97148191 |
| chr9 | 97139852 | 97151237 |
| chr9 | 97139852 | 97161966 |
| chr9 | 97143857 | 97144740 |
| chr9 | 97178263 | 97191798 |
| chr9 | 97185441 | 97194840 |
| chr9 | 97185441 | 97196594 |
| chr9 | 97188464 | 97200565 |
| chr9 | 97188464 | 97211487 |
| chr9 | 98018288 | 98026451 |

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|-------------|-----------|-----------|
| chrM        | 13332     | 13587     |
| chrM        | 8657      | 9189      |
| Un_GL00019! | 18321     | 19683     |
| Un_KI270742 | 1325      | 34982     |
| chrX        | 100949107 | 100962973 |
| chrX        | 10252888  | 10287891  |
| chrX        | 102897573 | 102905737 |
| chrX        | 102897573 | 102926537 |
| chrX        | 103428627 | 103450660 |
| chrX        | 103428627 | 103461354 |
| chrX        | 103438261 | 103438892 |
| chrX        | 103449273 | 103450660 |
| chrX        | 103449273 | 103486459 |
| chrX        | 103464128 | 103466155 |
| chrX        | 103612238 | 103612987 |
| chrX        | 107029126 | 107030315 |
| chrX        | 10899315  | 11056036  |
| chrX        | 10924729  | 10925298  |
| chrX        | 11038602  | 11110981  |
| chrX        | 11055935  | 11110981  |
| chrX        | 115566067 | 115568006 |
| chrX        | 121078057 | 121093477 |
| chrX        | 121090398 | 121093477 |
| chrX        | 121090398 | 121164157 |
| chrX        | 121090398 | 121185843 |
| chrX        | 121151610 | 121185843 |
| chrX        | 121163288 | 121185843 |
| chrX        | 121164058 | 121185843 |
| chrX        | 121290859 | 121291842 |
| chrX        | 121529566 | 121560542 |
| chrX        | 121540922 | 121646582 |
| chrX        | 121646461 | 121736294 |
| chrX        | 121659247 | 121761171 |
| chrX        | 121736190 | 121761171 |
| chrX        | 121736190 | 121867909 |
| chrX        | 121736190 | 121906789 |
| chrX        | 121863502 | 121906789 |
| chrX        | 126137960 | 126139299 |
| chrX        | 126243345 | 126250294 |
| chrX        | 126243345 | 126287274 |
| chrX        | 129116609 | 129122193 |
| chrX        | 129116609 | 129169451 |
| chrX        | 129319081 | 129326008 |
| chrX        | 129993458 | 129994022 |
| chrX        | 131332206 | 131364926 |



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|------|-----------|-----------|
| chrX | 131332206 | 131369052 |
| chrX | 131344059 | 131364926 |
| chrX | 131344812 | 131364926 |
| chrX | 131364748 | 131369052 |
| chrX | 131364748 | 131399704 |
| chrX | 131389016 | 131399704 |
| chrX | 131491212 | 131495163 |
| chrX | 131538342 | 131540937 |
| chrX | 134444877 | 134453899 |
| chrX | 135008542 | 135019149 |
| chrX | 135034668 | 135038178 |
| chrX | 135034668 | 135049428 |
| chrX | 135942878 | 135947139 |
| chrX | 135942878 | 135960073 |
| chrX | 135946564 | 135947139 |
| chrX | 13666316  | 13680598  |
| chrX | 136820680 | 136847899 |
| chrX | 136820680 | 136848582 |
| chrX | 136847804 | 136848582 |
| chrX | 136857061 | 136857499 |
| chrX | 1383565   | 1384425   |
| chrX | 1383600   | 1384388   |
| chrX | 139842395 | 139877277 |
| chrX | 141715007 | 141721898 |
| chrX | 141715007 | 141737585 |
| chrX | 144233227 | 144297079 |
| chrX | 144233227 | 144341556 |
| chrX | 144341463 | 144390125 |
| chrX | 144706102 | 144715226 |
| chrX | 152451699 | 152458262 |
| chrX | 152457249 | 152458262 |
| chrX | 152457249 | 152459530 |
| chrX | 152457249 | 152487023 |
| chrX | 152468181 | 152487023 |
| chrX | 152554376 | 152568217 |
| chrX | 152554376 | 152574980 |
| chrX | 153438907 | 153441548 |
| chrX | 154395361 | 154396024 |
| chrX | 155139218 | 155172714 |
| chrX | 155168139 | 155175179 |
| chrX | 155399000 | 155419562 |
| chrX | 155415574 | 155419562 |
| chrX | 16462842  | 16463063  |
| chrX | 1726066   | 1726488   |
| chrX | 1732512   | 1734211   |

|      |          |          |
|------|----------|----------|
| chrX | 1759980  | 1760310  |
| chrX | 2211488  | 2212828  |
| chrX | 27102783 | 27186657 |
| chrX | 27158904 | 27186657 |
| chrX | 27162420 | 27186657 |
| chrX | 27301038 | 27336493 |
| chrX | 27336409 | 27376091 |
| chrX | 45769785 | 45784155 |
| chrX | 487169   | 487610   |
| chrX | 49265842 | 49266298 |
| chrX | 510260   | 510945   |
| chrX | 54636234 | 54636427 |
| chrX | 55985998 | 56014961 |
| chrX | 56002824 | 56014961 |
| chrX | 57087613 | 57095538 |
| chrX | 57091049 | 57095538 |
| chrX | 57842245 | 57850693 |
| chrX | 63259667 | 63315853 |
| chrX | 63259667 | 63343289 |
| chrX | 63307505 | 63345571 |
| chrX | 63313751 | 63345571 |
| chrX | 63314996 | 63345571 |
| chrX | 63911327 | 63934393 |
| chrX | 65051461 | 65113813 |
| chrX | 65060697 | 65075912 |
| chrX | 65075473 | 65075912 |
| chrX | 65075473 | 65107023 |
| chrX | 65075473 | 65113813 |
| chrX | 65075605 | 65107023 |
| chrX | 65075605 | 65113813 |
| chrX | 65106918 | 65113813 |
| chrX | 65113663 | 65118284 |
| chrX | 65175160 | 65175753 |
| chrX | 65366637 | 65368998 |
| chrX | 65366637 | 65398704 |
| chrX | 65366637 | 65446000 |
| chrX | 67761872 | 67791892 |
| chrX | 76147252 | 76148456 |
| chrX | 76224487 | 76242405 |
| chrX | 77896308 | 77896804 |
| chrX | 81324575 | 81328708 |
| chrX | 91562992 | 91661744 |
| chrX | 91616342 | 91638418 |
| chrX | 91616342 | 91662446 |
| chrX | 97626153 | 97639812 |

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| chrX | 97635274 | 97639812 |
| chrX | 97637436 | 97639812 |

**IncompleteExon (289)**

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| chr1  | 109252789 | 109252982 |
| chr1  | 110341550 | 110341832 |
| chr1  | 150575338 | 150575695 |
| chr1  | 154156515 | 154157213 |
| chr1  | 155562555 | 155562821 |
| chr1  | 156743123 | 156743420 |
| chr1  | 156743256 | 156743444 |
| chr1  | 15931188  | 15931413  |
| chr1  | 162522517 | 162522962 |
| chr1  | 19216778  | 19217489  |
| chr1  | 19259017  | 19260012  |
| chr1  | 200849332 | 200849701 |
| chr1  | 202962119 | 202962382 |
| chr1  | 204552180 | 204552423 |
| chr1  | 205774938 | 205775164 |
| chr1  | 240092041 | 240092400 |
| chr1  | 26696426  | 26696950  |
| chr1  | 28497464  | 28499171  |
| chr1  | 30869737  | 30870042  |
| chr1  | 43972427  | 43972744  |
| chr1  | 43972775  | 43973346  |
| chr1  | 45509624  | 45509866  |
| chr1  | 58782149  | 58782786  |
| chr1  | 6222395   | 6223195   |
| chr1  | 63659765  | 63660161  |
| chr1  | 6522806   | 6524849   |
| chr1  | 9267030   | 9268037   |
| chr10 | 101579445 | 101579615 |
| chr10 | 102147082 | 102147359 |
| chr10 | 104025835 | 104026576 |
| chr10 | 17229460  | 17229850  |
| chr10 | 79354333  | 79354659  |
| chr10 | 91908226  | 91908693  |
| chr11 | 2403440   | 2403617   |
| chr11 | 61786740  | 61786908  |
| chr11 | 61796713  | 61797143  |
| chr11 | 62129957  | 62130312  |
| chr11 | 64371521  | 64371829  |
| chr11 | 65320787  | 65321131  |
| chr11 | 65424450  | 65444063  |
| chr11 | 65434478  | 65435145  |
| chr11 | 65434478  | 65437657  |

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| chr11 | 65434478  | 65439001  |
| chr11 | 65434478  | 65444063  |
| chr11 | 65435052  | 65436666  |
| chr11 | 65435052  | 65437657  |
| chr11 | 65435052  | 65444059  |
| chr11 | 65435052  | 65444063  |
| chr11 | 65435066  | 65444059  |
| chr11 | 65435066  | 65444063  |
| chr11 | 65435343  | 65444063  |
| chr11 | 65436522  | 65444059  |
| chr11 | 65436537  | 65444059  |
| chr11 | 65436537  | 65444063  |
| chr11 | 65499911  | 65500426  |
| chr11 | 65500911  | 65505019  |
| chr11 | 65502289  | 65504595  |
| chr11 | 65502320  | 65504206  |
| chr11 | 65502320  | 65504595  |
| chr11 | 65502320  | 65505019  |
| chr11 | 65503116  | 65504595  |
| chr11 | 65503116  | 65505019  |
| chr11 | 65503120  | 65504595  |
| chr11 | 65503120  | 65504744  |
| chr11 | 65503728  | 65503931  |
| chr11 | 65503728  | 65504358  |
| chr11 | 65503728  | 65504595  |
| chr11 | 65503728  | 65505019  |
| chr11 | 65503853  | 65504595  |
| chr11 | 65503853  | 65505019  |
| chr11 | 65504325  | 65505019  |
| chr11 | 65504664  | 65505301  |
| chr11 | 65504819  | 65505019  |
| chr11 | 65505301  | 65505606  |
| chr11 | 67285312  | 67285959  |
| chr11 | 69651354  | 69651675  |
| chr11 | 69651774  | 69652233  |
| chr11 | 69654031  | 69654355  |
| chr11 | 73662218  | 73662658  |
| chr11 | 75406202  | 75406492  |
| chr11 | 76383673  | 76384417  |
| chr11 | 768729    | 769573    |
| chr11 | 769036    | 769415    |
| chr11 | 769087    | 769661    |
| chr11 | 95128538  | 95128749  |
| chr12 | 105020454 | 105022254 |
| chr12 | 112506422 | 112507953 |

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|-------|-----------|-----------|
| chr12 | 120698058 | 120699112 |
| chr12 | 122143443 | 122143620 |
| chr12 | 124911698 | 124912760 |
| chr12 | 132722070 | 132722239 |
| chr12 | 1492816   | 1493170   |
| chr12 | 57096211  | 57096640  |
| chr12 | 98548946  | 98549335  |
| chr13 | 109782961 | 109783488 |
| chr13 | 21374527  | 21374880  |
| chr13 | 23330939  | 23331307  |
| chr13 | 23333467  | 23334769  |
| chr13 | 23340204  | 23340593  |
| chr13 | 23354899  | 23355080  |
| chr13 | 23355505  | 23355841  |
| chr14 | 104946924 | 104948904 |
| chr14 | 21460507  | 21460723  |
| chr14 | 23058674  | 23059073  |
| chr14 | 31093701  | 31094760  |
| chr14 | 92059769  | 92059977  |
| chr15 | 100915603 | 100916259 |
| chr15 | 40220696  | 40221044  |
| chr15 | 50557937  | 50558499  |
| chr15 | 63264649  | 63264956  |
| chr15 | 64156404  | 64156665  |
| chr15 | 65888236  | 65888571  |
| chr15 | 75933741  | 75934479  |
| chr15 | 85580533  | 85580742  |
| chr16 | 11835033  | 11835602  |
| chr16 | 22287252  | 22288003  |
| chr16 | 2763640   | 2763883   |
| chr16 | 2973051   | 2973245   |
| chr16 | 29807000  | 29807505  |
| chr16 | 29810329  | 29810779  |
| chr16 | 29810541  | 29810788  |
| chr16 | 30580732  | 30580974  |
| chr16 | 30979468  | 30979806  |
| chr16 | 547606    | 548161    |
| chr16 | 87330641  | 87330864  |
| chr17 | 1344858   | 1345238   |
| chr17 | 3033554   | 3033944   |
| chr17 | 39256293  | 39257066  |
| chr17 | 44801060  | 44801884  |
| chr17 | 44805253  | 44805577  |
| chr17 | 4968050   | 4968501   |
| chr17 | 5025805   | 5027145   |

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|-------|-----------|-----------|
| chr17 | 50750746  | 50751362  |
| chr17 | 50964510  | 50964872  |
| chr17 | 50964549  | 50964840  |
| chr17 | 517939    | 518459    |
| chr17 | 58001488  | 58005041  |
| chr17 | 58003650  | 58005041  |
| chr17 | 59203435  | 59203645  |
| chr17 | 75502414  | 75502822  |
| chr17 | 78171933  | 78172189  |
| chr17 | 81510291  | 81510612  |
| chr17 | 82614875  | 82615196  |
| chr18 | 13762870  | 13763271  |
| chr19 | 13154281  | 13154420  |
| chr19 | 13772154  | 13773506  |
| chr19 | 1555052   | 1556075   |
| chr19 | 16101602  | 16102900  |
| chr19 | 2429764   | 2430187   |
| chr19 | 33380103  | 33380381  |
| chr19 | 3464426   | 3464923   |
| chr19 | 39538878  | 39539476  |
| chr19 | 41303979  | 41304182  |
| chr19 | 44903046  | 44903470  |
| chr19 | 45550128  | 45552285  |
| chr19 | 45553262  | 45553581  |
| chr19 | 50045620  | 50045807  |
| chr19 | 55674122  | 55674621  |
| chr19 | 55674123  | 55674604  |
| chr19 | 55674124  | 55674602  |
| chr19 | 57455652  | 57456182  |
| chr19 | 57861375  | 57862570  |
| chr19 | 57861793  | 57862570  |
| chr19 | 57863364  | 57863759  |
| chr19 | 746873    | 747472    |
| chr19 | 810767    | 811135    |
| chr19 | 811666    | 812181    |
| chr2  | 121765509 | 121765913 |
| chr2  | 189854502 | 189855000 |
| chr2  | 203303215 | 203303468 |
| chr2  | 206307046 | 206308755 |
| chr2  | 20684815  | 20686956  |
| chr2  | 223755755 | 223756143 |
| chr2  | 227686100 | 227686445 |
| chr2  | 25739880  | 25740085  |
| chr2  | 40428474  | 40430301  |
| chr2  | 42350692  | 42351224  |

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|-------|-----------|-----------|
| chr2  | 64552228  | 64552705  |
| chr2  | 69461890  | 69462413  |
| chr20 | 1165673   | 1166455   |
| chr20 | 25297189  | 25297444  |
| chr20 | 3047806   | 3047970   |
| chr20 | 326749    | 327166    |
| chr20 | 32848975  | 32849744  |
| chr20 | 33705527  | 33706035  |
| chr20 | 36046082  | 36046353  |
| chr20 | 3784471   | 3784807   |
| chr20 | 3784967   | 3785142   |
| chr20 | 3867456   | 3869139   |
| chr20 | 3867568   | 3869042   |
| chr20 | 41123291  | 41123867  |
| chr20 | 50889306  | 50889832  |
| chr21 | 14961813  | 14962555  |
| chr21 | 26836602  | 26836831  |
| chr21 | 33550219  | 33551289  |
| chr21 | 34102834  | 34103519  |
| chr22 | 18088683  | 18089796  |
| chr22 | 23894774  | 23895188  |
| chr22 | 36488075  | 36488630  |
| chr22 | 37568428  | 37568774  |
| chr22 | 37568849  | 37569109  |
| chr22 | 37805948  | 37806372  |
| chr22 | 40927396  | 40929273  |
| chr3  | 134356631 | 134356829 |
| chr3  | 141945430 | 141946776 |
| chr3  | 14944673  | 14944903  |
| chr3  | 185486430 | 185489016 |
| chr3  | 188882976 | 188883465 |
| chr3  | 196470237 | 196470728 |
| chr3  | 33152371  | 33152686  |
| chr3  | 38142235  | 38142445  |
| chr3  | 52075315  | 52075560  |
| chr3  | 9429830   | 9429989   |
| chr4  | 139388509 | 139389132 |
| chr4  | 165077031 | 165077551 |
| chr4  | 165077085 | 165077493 |
| chr4  | 2938442   | 2938625   |
| chr4  | 70689572  | 70690027  |
| chr4  | 75645135  | 75645625  |
| chr5  | 1037854   | 1038024   |
| chr5  | 126625943 | 126626478 |
| chr5  | 134900598 | 134900833 |

|      |           |           |
|------|-----------|-----------|
| chr5 | 138466844 | 138467320 |
| chr5 | 14615209  | 14615944  |
| chr5 | 14706775  | 14709036  |
| chr5 | 150400006 | 150400164 |
| chr5 | 154814075 | 154815294 |
| chr5 | 155014042 | 155014637 |
| chr5 | 172768394 | 172768780 |
| chr5 | 34831844  | 34832429  |
| chr5 | 453689    | 453995    |
| chr5 | 65668047  | 65668676  |
| chr5 | 65668054  | 65668676  |
| chr5 | 73447242  | 73448206  |
| chr5 | 73447480  | 73448201  |
| chr5 | 93584329  | 93584824  |
| chr6 | 105098712 | 105099121 |
| chr6 | 157206248 | 157206842 |
| chr6 | 30723619  | 30723775  |
| chr6 | 30723658  | 30724414  |
| chr6 | 30743562  | 30743769  |
| chr6 | 31632742  | 31632907  |
| chr6 | 33304466  | 33304611  |
| chr6 | 43615477  | 43615754  |
| chr6 | 43617842  | 43618265  |
| chr6 | 85494748  | 85495026  |
| chr7 | 107201683 | 107202138 |
| chr7 | 128685178 | 128685938 |
| chr7 | 135927081 | 135927388 |
| chr7 | 135929470 | 135929668 |
| chr7 | 138917367 | 138917692 |
| chr7 | 149283427 | 149283567 |
| chr7 | 151064572 | 151064741 |
| chr7 | 152646774 | 152648175 |
| chr7 | 22946006  | 22946145  |
| chr7 | 25119663  | 25121096  |
| chr7 | 25120363  | 25120897  |
| chr7 | 29923109  | 29923538  |
| chr7 | 5524824   | 5525118   |
| chr7 | 65954689  | 65955203  |
| chr7 | 66153996  | 66154226  |
| chr7 | 88196544  | 88197239  |
| chr8 | 100258473 | 100258925 |
| chr8 | 102412470 | 102412624 |
| chr8 | 127738349 | 127738838 |
| chr8 | 142344079 | 142344469 |
| chr8 | 43021954  | 43022920  |



|      |           |           |
|------|-----------|-----------|
| chr8 | 43023113  | 43023547  |
| chr8 | 96334111  | 96334477  |
| chr9 | 105520521 | 105520916 |
| chr9 | 105520622 | 105520916 |
| chr9 | 120857143 | 120857384 |
| chr9 | 134033073 | 134033279 |
| chr9 | 136114757 | 136115073 |
| chr9 | 137063010 | 137063161 |
| chr9 | 137063607 | 137063775 |
| chr9 | 137063791 | 137064102 |
| chr9 | 33676487  | 33676667  |
| chrX | 119538737 | 119539285 |
| chrX | 119538738 | 119539270 |
| chrX | 119539037 | 119539709 |
| chrX | 121048129 | 121048330 |
| chrX | 154011011 | 154011172 |
| chrX | 48560238  | 48560631  |
| chrX | 54561038  | 54562059  |
| chrX | 54562127  | 54562587  |
| chrX | 65740042  | 65740250  |
| chrX | 65740347  | 65740883  |
| chrX | 85091377  | 85091770  |





























































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































