***Supplementary Table 1: Brief summary of FastQC quality control data for ribosome profiling (RP) datasets used in analysis investigating RP alignment to dORFs, 3’ UTRs and genes in section 5****. Quality control data of RP datasets before and following trimming, gathered from the FastQC outputs. Also includes the overall alignment percentage to human genome from HISAT2 tool output for each RP dataset.*

|  |  | Pre-processed | | | | | Trimmed | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dataset | HISAT Alignment % | Basic Statistics | Total Sequences | Sequences flagged as poor quality | Sequence length | GC Base Percentage | Basic Statistics | Total Sequences | Sequences flagged as poor quality | Sequence length | GC Base Percentage | |
| SRR1528686 | 87.92 | pass | 19725261 | 0 | 51 | 59 | pass | 19234083 | 0 | 25-35 | 61 | |
| SRR1528687 | 87.43 | pass | 27215800 | 0 | 51 | 59 | pass | 26436851 | 0 | 25-35 | 61 | |
| SRR1528688 | 89.38 | pass | 17521963 | 0 | 51 | 58 | pass | 17122056 | 0 | 25-35 | 60 | |
| SRR1528689 | 88.92 | pass | 24145183 | 0 | 51 | 58 | pass | 23529691 | 0 | 25-35 | 60 | |
| SRR1528690 | 83 | pass | 22206265 | 0 | 51 | 60 | pass | 20920545 | 0 | 25-35 | 64 | |
| SRR1528691 | 82.61 | pass | 31147450 | 0 | 51 | 60 | pass | 29219488 | 0 | 25-35 | 64 | |
| SRR1528692 | 84.42 | pass | 25657299 | 0 | 51 | 57 | pass | 24679435 | 0 | 25-35 | 60 | |
| SRR1528693 | 84.06 | pass | 36181563 | 0 | 51 | 57 | pass | 34654645 | 0 | 25-35 | 60 | |
| SRR1528696 | 83.77 | pass | 20302267 | 0 | 51 | 59 | pass | 18989308 | 0 | 25-35 | 63 | |
| SRR1528697 | 83.49 | pass | 28365554 | 0 | 51 | 59 | pass | 26444169 | 0 | 25-35 | 63 | |
| SRR16186905 | 85.73 | pass | 67882002 | 0 | 10-150 | 63 | pass | 64956706 | 0 | 25-35 | 62 | |
| SRR16186906 | 86.21 | pass | 70721118 | 0 | 10-150 | 61 | pass | 67176155 | 0 | 25-35 | 61 | |
| SRR16186907 | 84.14 | pass | 89575172 | 0 | 10-150 | 57 | pass | 86088159 | 0 | 25-35 | 56 | |
| SRR16186908 | 81.94 | pass | 66733620 | 0 | 10-150 | 57 | pass | 64358614 | 0 | 25-35 | 56 | |
| SRR16186909 | 85.14 | pass | 81337291 | 0 | 10-150 | 58 | pass | 78750105 | 0 | 25-35 | 57 | |
| SRR24894150 | 84.47 | pass | 34657703 | 0 | 20-56 | 66 | pass | 22725845 | 0 | 25-35 | 66 | |
| SRR24894151 | 69.87 | pass | 30930747 | 0 | 20-56 | 57 | pass | 23411695 | 0 | 25-35 | 56 | |
| SRR24894152 | 89.54 | pass | 34381319 | 0 | 20-56 | 68 | pass | 25579979 | 0 | 25-35 | 69 | |
| SRR24894153 | 73.5 | pass | 25262115 | 0 | 20-56 | 60 | pass | 20040256 | 0 | 25-35 | 60 | |
| SRR21595020 | 82.64 | pass | 33507379 | 0 | 36-151 | 53 | pass | 33002007 | 0 | 25-35 | 53 | |
| SRR21595021 | 80.48 | pass | 22948925 | 0 | 36-151 | 53 | pass | 22542607 | 0 | 25-35 | 53 | |
| SRR21595022 | 82.36 | pass | 36989777 | 0 | 36-151 | 53 | pass | 36422888 | 0 | 25-35 | 53 | |
| SRR21595023 | 81.5 | pass | 29418207 | 0 | 36-151 | 53 | pass | 28928648 | 0 | 25-35 | 52 | |
| SRR21595024 | 82.49 | pass | 26810239 | 0 | 36-151 | 53 | pass | 26411616 | 0 | 25-35 | 53 | |
| SRR21595025 | 82.58 | pass | 31025645 | 0 | 36-151 | 52 | pass | 30558460 | 0 | 25-35 | 52 | |
| SRR20307019 | 39.24 | pass | 31209544 | 0 | 50 | 53 | pass | 29755536 | 0 | 25-35 | 54 | |
| SRR20307020 | 46.11 | pass | 30908368 | 0 | 50 | 52 | pass | 29237882 | 0 | 25-35 | 52 | |
| ERR5488920 | 51.22 | pass | 7834495 | 0 | 3-78 | 58 | pass | 7598656 | 0 | 25-35 | 59 | |
| ERR5488921 | 51.81 | pass | 12746068 | 0 | 3-78 | 59 | pass | 12410327 | 0 | 25-35 | 60 | |
| ERR5488922 | 50.17 | pass | 12086807 | 0 | 3-78 | 60 | pass | 11748572 | 0 | 25-35 | 61 | |
| ERR5488923 | 52.07 | pass | 16110899 | 0 | 3-78 | 58 | pass | 15693758 | 0 | 25-35 | 59 | |
| ERR5488924 | 48.33 | pass | 15495202 | 0 | 3-78 | 60 | pass | 14983748 | 0 | 25-35 | 60 | |
| ERR5488925 | 51.07 | pass | 25167908 | 0 | 3-78 | 59 | pass | 24466181 | 0 | 25-35 | 60 | |
| SRR16201230 | 25.68 | pass | 29275731 | 0 | 51 | 49 | pass | 26903043 | 0 | 25-35 | 60 | |
| SRR16201241 | 24.25 | pass | 25818755 | 0 | 51 | 47 | pass | 23166777 | 0 | 25-35 | 57 | |
| SRR16201233 | 26.15 | pass | 29963316 | 0 | 51 | 48 | pass | 27038045 | 0 | 25-35 | 58 | |
| SRR16201235 | 24.05 | pass | 24574849 | 0 | 51 | 42 | pass | 20659030 | 0 | 25-35 | 48 | |
| SRR16201234 | 22.14 | pass | 31396001 | 0 | 51 | 44 | pass | 28026559 | 0 | 25-35 | 53 | |
| SRR16201236 | 21.47 | pass | 31687544 | 0 | 51 | 48 | pass | 27989781 | 0 | 25-35 | 56 | |
| SRR15513148 | 76.54 | pass | 146169387 | 0 | 35-51 | 53 | pass | 112146419 | 0 | 25-35 | 54 | |
| SRR15513149 | 75.96 | pass | 145676168 | 0 | 35-51 | 52 | pass | 111882965 | 0 | 25-35 | 53 | |
| SRR15513150 | 76.76 | pass | 89615744 | 0 | 35-51 | 53 | pass | 70842882 | 0 | 25-35 | 53 | |
| SRR15513151 | 76.99 | pass | 140962476 | 0 | 35-51 | 54 | pass | 117407876 | 0 | 25-35 | 55 | |
| SRR15513152 | 76.87 | pass | 76499364 | 0 | 35-51 | 54 | pass | 65034380 | 0 | 25-35 | 55 | |
| SRR15513153 | 86.36 | pass | 155854461 | 0 | 35-51 | 60 | pass | 131185932 | 0 | 25-35 | 61 | |
| SRR15513154 | 87.64 | pass | 102941473 | 0 | 35-51 | 65 | pass | 88291602 | 0 | 25-35 | 66 | |
| SRR15513155 | 87.54 | pass | 95744067 | 0 | 35-51 | 60 | pass | 83300234 | 0 | 25-35 | 61 | |
| SRR15513156 | 87.63 | pass | 85717131 | 0 | 35-51 | 60 | pass | 73930420 | 0 | 25-35 | 61 | |
| SRR15513157 | 89.64 | pass | 86157567 | 0 | 35-51 | 66 | pass | 77915969 | 0 | 25-35 | 66 | |
| SRR15513159 | 83.49 | pass | 62564469 | 0 | 35-51 | 66 | pass | 55124849 | 0 | 25-35 | 67 | |
| SRR15513160 | 81.75 | pass | 50307263 | 0 | 35-51 | 61 | pass | 45948263 | 0 | 25-35 | 62 | |
| SRR15513161 | 83.78 | pass | 90457571 | 0 | 35-51 | 67 | pass | 78242843 | 0 | 25-35 | 67 | |
| SRR15513162 | 81.13 | pass | 95283260 | 0 | 35-51 | 62 | pass | 85532630 | 0 | 25-35 | 62 | |
| SRR15513163 | 83.74 | pass | 119191270 | 0 | 35-51 | 66 | pass | 104239251 | 0 | 25-35 | 67 | |
| SRR15513165 | 79.13 | pass | 35646230 | 0 | 1-51 | 68 | pass | 30862780 | 0 | 25-35 | 70 | |
| SRR15513166 | 87.52 | pass | 39858811 | 0 | 1-51 | 72 | pass | 35910692 | 0 | 25-35 | 74 | |
| SRR15513167 | 82.82 | pass | 49294514 | 0 | 1-51 | 66 | pass | 41048049 | 0 | 25-35 | 69 | |
| SRR15513168 | 86.66 | pass | 38535406 | 0 | 1-51 | 72 | pass | 33043093 | 0 | 25-35 | 74 | |
| SRR15513169 | 83.02 | pass | 42994419 | 0 | 1-51 | 67 | pass | 36673572 | 0 | 25-35 | 70 | |
| SRR15513197 | 90.21 | pass | 35373674 | 0 | 35-51 | 63 | pass | 31363764 | 0 | 25-35 | 64 | |
| SRR15513198 | 92.54 | pass | 34631016 | 0 | 35-51 | 63 | pass | 31092066 | 0 | 25-35 | 63 | |
| SRR15513199 | 93.33 | pass | 28749480 | 0 | 35-51 | 61 | pass | 25867587 | 0 | 25-35 | 61 | |
| SRR15513200 | 87.97 | pass | 55927471 | 0 | 35-51 | 63 | pass | 45548460 | 0 | 25-35 | 64 | |
| SRR15513201 | 69.5 | pass | 25777818 | 0 | 35-51 | 61 | pass | 19438049 | 0 | 25-35 | 62 | |
| SRR15513203 | 85.08 | pass | 193570353 | 0 | 35-51 | 63 | pass | 165137747 | 0 | 25-35 | 63 | |
| SRR15513204 | 83.65 | pass | 35781045 | 0 | 35-51 | 62 | pass | 28273573 | 0 | 25-35 | 63 | |
| SRR15513205 | 88.86 | pass | 242123054 | 0 | 35-51 | 63 | pass | 205688347 | 0 | 25-35 | 63 | |
| SRR15513206 | 86.17 | pass | 41965339 | 0 | 35-51 | 62 | pass | 33015528 | 0 | 25-35 | 63 | |
| SRR15513207 | 74.6 | pass | 39734438 | 0 | 35-51 | 58 | pass | 30051182 | 0 | 25-35 | 59 | |
| SRR15513208 | 81.55 | pass | 182236906 | 0 | 35-51 | 64 | pass | 148814883 | 0 | 25-35 | 65 | |
| SRR15513209 | 82.97 | pass | 142533162 | 0 | 35-51 | 65 | pass | 118907932 | 0 | 25-35 | 66 | |
| SRR15513210 | 81.07 | pass | 324436204 | 0 | 35-51 | 64 | pass | 277618509 | 0 | 25-35 | 65 | |
| SRR15513211 | 83.38 | pass | 126244399 | 0 | 35-51 | 65 | pass | 107429893 | 0 | 25-35 | 66 | |
| SRR15513212 | 80.22 | pass | 72124139 | 0 | 20-51 | 64 | pass | 67406391 | 0 | 25-35 | 65 | |
| SRR15513213 | 86 | pass | 52862065 | 0 | 35-51 | 60 | pass | 32085405 | 0 | 25-35 | 62 | |
| SRR15513214 | 86.26 | pass | 56672515 | 0 | 35-51 | 62 | pass | 39660538 | 0 | 25-35 | 63 | |
| SRR15513215 | 89.34 | pass | 40594219 | 0 | 35-51 | 71 | pass | 34648973 | 0 | 25-35 | 72 | |
| SRR15513216 | 78.81 | pass | 217513183 | 0 | 35-51 | 70 | pass | 175225832 | 0 | 25-35 | 71 | |
| SRR15513217 | 88.04 | pass | 167736144 | 0 | 35-51 | 66 | pass | 147028818 | 0 | 25-35 | 67 | |
| SRR15513218 | 89.04 | pass | 246296221 | 0 | 35-51 | 70 | pass | 219203627 | 0 | 25-35 | 70 | |
| SRR15513219 | 79.83 | pass | 220943126 | 0 | 35-51 | 70 | pass | 181053557 | 0 | 25-35 | 71 | |
| SRR15513220 | 45.2 | pass | 61524059 | 0 | 35-51 | 58 | pass | 37084389 | 0 | 25-35 | 59 | |
| SRR12978961 | 3.45 | pass | 12699771 | 0 | 76 | 50 | pass | 12399717 | 0 | 25-35 | 51 | |
| SRR12978962 | 3.4 | pass | 12241767 | 0 | 76 | 50 | pass | 11966055 | 0 | 25-35 | 51 | |
| SRR12978963 | 3.39 | pass | 12535711 | 0 | 76 | 50 | pass | 12207893 | 0 | 25-35 | 51 | |
| SRR12978964 | 3.36 | pass | 12029069 | 0 | 76 | 50 | pass | 11734091 | 0 | 25-35 | 50 | |
| SRR12978965 | 12.02 | pass | 12045280 | 0 | 76 | 55 | pass | 11541517 | 0 | 25-35 | 63 | |
| SRR12978966 | 11.83 | pass | 11620869 | 0 | 76 | 55 | pass | 11160409 | 0 | 25-35 | 62 | |
| SRR12978967 | 11.86 | pass | 11870118 | 0 | 76 | 55 | pass | 11340202 | 0 | 25-35 | 62 | |
| SRR12978968 | 11.81 | pass | 11439542 | 0 | 76 | 55 | pass | 10954998 | 0 | 25-35 | 62 | |
| SRR10533453 | 75.03 | pass | 41217014 | 0 | 51 | 56 | pass | 39842077 | 0 | 25-35 | 59 | |
| SRR10533456 | 82.58 | pass | 43737586 | 0 | 51 | 54 | pass | 42809003 | 0 | 25-35 | 56 | |
| SRR10533454 | 76.12 | pass | 47597202 | 0 | 51 | 55 | pass | 46709991 | 0 | 25-35 | 57 | |
| SRR10533457 | 82.36 | pass | 41566224 | 0 | 51 | 54 | pass | 40646996 | 0 | 25-35 | 55 | |
| SRR10533459 | 83.54 | pass | 44324902 | 0 | 51 | 57 | pass | 39479817 | 0 | 25-35 | 61 | |
| SRR10533455 | 79.21 | pass | 46398998 | 0 | 51 | 58 | pass | 44407005 | 0 | 25-35 | 61 | |
| SRR10533458 | 81.69 | pass | 45522297 | 0 | 51 | 54 | pass | 43373749 | 0 | 25-35 | 55 | |
| SRR10533460 | 83.98 | pass | 43738781 | 0 | 51 | 59 | pass | 40198146 | 0 | 25-35 | 64 | |
| SRR10533461 | 83.19 | pass | 26501322 | 0 | 51 | 57 | pass | 24645910 | 0 | 25-35 | 60 | |
| SRR10533464 | 83.75 | pass | 41378873 | 0 | 51 | 59 | pass | 33936256 | 0 | 25-35 | 65 | |
| SRR10533467 | 88.93 | pass | 40303232 | 0 | 51 | 60 | pass | 35506557 | 0 | 25-35 | 66 | |
| SRR10533462 | 77.38 | pass | 42924997 | 0 | 51 | 58 | pass | 38065417 | 0 | 25-35 | 62 | |
| SRR10533465 | 86.01 | pass | 52438781 | 0 | 51 | 60 | pass | 46480726 | 0 | 25-35 | 66 | |
| SRR10533468 | 88.51 | pass | 38841828 | 0 | 51 | 60 | pass | 28553553 | 0 | 25-35 | 68 | |
| SRR10533463 | 86.52 | pass | 64580404 | 0 | 51 | 62 | pass | 61467450 | 0 | 25-35 | 69 | |
| SRR10533466 | 83.75 | pass | 46232582 | 0 | 51 | 58 | pass | 41549979 | 0 | 25-35 | 64 | |
| SRR10533469 | 86.37 | pass | 58391812 | 0 | 51 | 56 | pass | 49728081 | 0 | 25-35 | 59 | |
| SRR5227306 | 4.03 | pass | 57588015 | 0 | 51 | 56 | pass | 44038597 | 0 | 25-35 | 62 | |
| SRR5227308 | 5.82 | pass | 65591217 | 0 | 51 | 56 | pass | 48291363 | 0 | 25-35 | 62 | |
| SRR5227307 | 4.71 | pass | 66480991 | 0 | 51 | 55 | pass | 50865932 | 0 | 25-35 | 61 | |
| SRR5227309 | 4.05 | pass | 40062613 | 0 | 51 | 56 | pass | 29430293 | 0 | 25-35 | 62 | |
| SRR6191037 | 89.32 | pass | 142175468 | 0 | 1-47 | 67 | pass | 130362991 | 0 | 25-35 | 67 | |
| SRR6191038 | 86.38 | pass | 90939463 | 0 | 1-47 | 65 | pass | 84480882 | 0 | 25-35 | 66 | |
| SRR6191039 | 84.17 | pass | 45958493 | 0 | 1-44 | 62 | pass | 42039177 | 0 | 25-35 | 62 | |
| SRR6191040 | 75.21 | pass | 36355684 | 0 | 1-47 | 61 | pass | 33663143 | 0 | 25-35 | 62 | |
| SRR6191041 | 85.3 | pass | 53423144 | 0 | 1-46 | 63 | pass | 48873276 | 0 | 25-35 | 63 | |
| SRR6191042 | 82.02 | pass | 30414241 | 0 | 1-47 | 60 | pass | 28028505 | 0 | 25-35 | 60 | |
| SRR5223162 | 72.31 | pass | 31545576 | 0 | 51 | 54 | pass | 27664531 | 0 | 25-35 | 57 | |
| SRR5223163 | 67.25 | pass | 28042962 | 0 | 51 | 52 | pass | 23496833 | 0 | 25-35 | 53 | |
| SRR1173905 | 62.77 | pass | 24061850 | 0 | 33 | 57 | pass | 21871925 | 0 | 25-33 | 57 | |
| SRR1173909 | 4.35 | pass | 93335557 | 0 | 49 | 58 | pass | 92560785 | 0 | 25-35 | 63 | |
| SRR1173910 | 2.68 | pass | 8605112 | 0 | 75 | 54 | pass | 8268842 | 0 | 25-35 | 62 | |
| SRR1173907 | 57.24 | pass | 23747956 | 0 | 33 | 58 | pass | 21016386 | 0 | 25-33 | 59 | |
| SRR1173913 | 2.71 | pass | 120615172 | 0 | 49 | 59 | pass | 119625883 | 0 | 25-35 | 65 | |
| SRR1173914 | 1.77 | pass | 8999609 | 0 | 75 | 55 | pass | 8849269 | 0 | 25-35 | 63 | |
| SRR10850865 | 84.34 | pass | 55729772 | 0 | 88-101 | 50 | pass | 51137539 | 0 | 25-35 | 52 | |
| SRR10850866 | 83.81 | pass | 70180391 | 0 | 88-101 | 49 | pass | 66156036 | 0 | 25-35 | 53 | |
| SRR10850867 | 84.29 | pass | 78068579 | 0 | 87-101 | 49 | pass | 71086137 | 0 | 25-35 | 53 | |
| SRR10850868 | 83.43 | pass | 68411183 | 0 | 90-101 | 50 | pass | 65309543 | 0 | 25-35 | 53 | |
| SRR10850869 | 84.21 | pass | 53159052 | 0 | 91-101 | 50 | pass | 48562885 | 0 | 25-35 | 52 | |
| SRR10850870 | 84.13 | pass | 68600700 | 0 | 90-101 | 50 | pass | 58854945 | 0 | 25-35 | 52 | |
| SRR18592261 | 0.46 | pass | 41504392 | 0 | 85 | 56 | pass | 40421932 | 0 | 25-35 | 66 | |
| SRR18592262 | 0.45 | pass | 28000711 | 0 | 85 | 57 | pass | 27402072 | 0 | 25-35 | 67 | |
| SRR18592263 | 0.46 | pass | 33609424 | 0 | 85 | 56 | pass | 32500151 | 0 | 25-35 | 67 | |
| SRR18592264 | 0.51 | pass | 33717560 | 0 | 85 | 57 | pass | 32978708 | 0 | 25-35 | 66 | |
| SRR18592265 | 0.46 | pass | 40729757 | 0 | 85 | 56 | pass | 39918305 | 0 | 25-35 | 66 | |
| SRR18592266 | 0.44 | pass | 41506810 | 0 | 85 | 56 | pass | 40456434 | 0 | 25-35 | 64 | |
| SRR18592267 | 0.49 | pass | 24344853 | 0 | 85 | 56 | pass | 23808230 | 0 | 25-35 | 67 | |
| SRR18592268 | 0.46 | pass | 23607566 | 0 | 85 | 56 | pass | 23127075 | 0 | 25-35 | 65 | |
| SRR18592269 | 0.48 | pass | 31643175 | 0 | 85 | 56 | pass | 30770970 | 0 | 25-35 | 66 | |
| SRR18592270 | 0.45 | pass | 36741314 | 0 | 85 | 56 | pass | 35504585 | 0 | 25-35 | 66 | |
| SRR18592271 | 0.45 | pass | 37893675 | 0 | 85 | 56 | pass | 36665063 | 0 | 25-35 | 67 | |
| SRR18592272 | 0.49 | pass | 32730107 | 0 | 85 | 57 | pass | 31854982 | 0 | 25-35 | 67 | |
| SRR18592273 | 0.51 | pass | 23060798 | 0 | 85 | 56 | pass | 22486725 | 0 | 25-35 | 66 | |
| SRR18592274 | 0.47 | pass | 29481343 | 0 | 85 | 56 | pass | 28945198 | 0 | 25-35 | 66 | |
| SRR18592275 | 0.48 | pass | 27983555 | 0 | 85 | 57 | pass | 27469531 | 0 | 25-35 | 66 | |
| SRR18592276 | 0.51 | pass | 29751349 | 0 | 85 | 57 | pass | 29265930 | 0 | 25-35 | 67 | |
| SRR18592277 | 0.47 | pass | 36814012 | 0 | 85 | 55 | pass | 36115369 | 0 | 25-35 | 63 | |
| SRR18592278 | 0.44 | pass | 29365983 | 0 | 85 | 55 | pass | 28867713 | 0 | 25-35 | 64 | |
| SRR18592279 | 0.48 | pass | 93584875 | 0 | 85 | 56 | pass | 91845303 | 0 | 25-35 | 65 | |
| SRR18592280 | 0.49 | pass | 36268835 | 0 | 85 | 55 | pass | 35619154 | 0 | 25-35 | 64 | |
| SRR8883211 | 45.18 | pass | 48329936 | 0 | 50 | 65 | pass | 47747048 | 0 | 25-35 | 69 | |
| SRR8883212 | 51.6 | pass | 37835349 | 0 | 50 | 65 | pass | 37374811 | 0 | 25-35 | 70 | |
| SRR8883213 | 58.36 | pass | 43460625 | 0 | 50 | 63 | pass | 42954680 | 0 | 25-35 | 67 | |
| SRR8883214 | 61.59 | pass | 36322120 | 0 | 50 | 68 | pass | 35944894 | 0 | 25-35 | 72 | |
| SRR6366076 | 78.68 | pass | 92128673 | 0 | 75 | 52 | pass | 56135966 | 0 | 25-35 | 63 | |
| SRR6366084 | 69.47 | pass | 47959069 | 0 | 35-75 | 58 | pass | 1749579 | 0 | 25-35 | 74 | |
| SRR6366092 | 79.48 | pass | 41238004 | 0 | 75 | 55 | pass | 34764809 | 0 | 25-35 | 65 | |
| SRR6366077 | 80.5 | pass | 55858262 | 0 | 75 | 57 | pass | 41426937 | 0 | 25-35 | 72 | |
| SRR6366085 | 61.25 | pass | 43057059 | 0 | 35-75 | 50 | pass | 896513 | 0 | 25-35 | 59 | |
| SRR6366093 | 64.02 | pass | 27063218 | 0 | 75 | 49 | pass | 11106615 | 0 | 25-35 | 58 | |
| SRR6366078 | 76.69 | pass | 83489714 | 0 | 75 | 54 | pass | 64095456 | 0 | 25-35 | 61 | |
| SRR6366086 | 74.26 | pass | 52629716 | 0 | 35-75 | 59 | pass | 1880755 | 0 | 25-35 | 71 | |
| SRR6366094 | 74 | pass | 75475369 | 0 | 75 | 53 | pass | 61105645 | 0 | 25-35 | 61 | |
| SRR6366079 | 79.89 | pass | 65608025 | 0 | 75 | 54 | pass | 51974139 | 0 | 25-35 | 62 | |
| SRR6366087 | 57.33 | pass | 55373319 | 0 | 35-75 | 52 | pass | 1523923 | 0 | 25-35 | 65 | |
| SRR6366095 | 62.27 | pass | 32668518 | 0 | 75 | 54 | pass | 27480297 | 0 | 25-35 | 60 | |
| SRR6026773 | 82.82 | pass | 1665820 | 0 | 24-68 | 51 | pass | 1482864 | 0 | 25-35 | 51 | |
| SRR6026774 | 84.03 | pass | 2056196 | 0 | 24-68 | 48 | pass | 1866471 | 0 | 25-35 | 48 | |
| SRR6026775 | 82.69 | pass | 4043631 | 0 | 24-68 | 50 | pass | 3720852 | 0 | 25-35 | 50 | |
| SRR6026776 | 83.28 | pass | 4933725 | 0 | 24-68 | 50 | pass | 4591370 | 0 | 25-35 | 50 | |
| SRR6026777 | 78.31 | pass | 462259 | 0 | 24-68 | 51 | pass | 381666 | 0 | 25-35 | 51 | |
| SRR6026778 | 83.04 | pass | 388884 | 0 | 24-68 | 49 | pass | 312774 | 0 | 25-35 | 49 | |
| SRR6026779 | 81.94 | pass | 1861626 | 0 | 24-68 | 50 | pass | 1679627 | 0 | 25-35 | 50 | |
| SRR6026780 | 81.95 | pass | 1935766 | 0 | 24-68 | 49 | pass | 1746357 | 0 | 25-35 | 49 | |
| SRR20106154 | 72.05 | pass | 207768316 | 0 | 35-101 | 66 | pass | 171219379 | 0 | 25-35 | 68 | |
| SRR20106155 | 85.94 | pass | 178403458 | 0 | 35-101 | 67 | pass | 139359213 | 0 | 25-35 | 70 | |
| SRR20106156 | 86.53 | pass | 81323550 | 0 | 35-101 | 67 | pass | 68519448 | 0 | 25-35 | 69 | |
| SRR20106157 | 86.56 | pass | 196564651 | 0 | 35-101 | 65 | pass | 170618718 | 0 | 25-35 | 66 | |
| SRR20106158 | 84.47 | pass | 162014559 | 0 | 35-101 | 65 | pass | 132942089 | 0 | 25-35 | 67 | |
| SRR20106159 | 84.95 | pass | 182090437 | 0 | 35-101 | 66 | pass | 164709080 | 0 | 25-35 | 68 | |
| SRR20106160 | 82.34 | pass | 184517112 | 0 | 35-101 | 66 | pass | 158992538 | 0 | 25-35 | 67 | |
| SRR20106161 | 85.02 | pass | 163268802 | 0 | 35-101 | 65 | pass | 150151774 | 0 | 25-35 | 66 | |
| SRR20106162 | 86.51 | pass | 156585165 | 0 | 35-101 | 66 | pass | 136993644 | 0 | 25-35 | 68 | |
| SRR20106163 | 85.54 | pass | 167038519 | 0 | 35-101 | 66 | pass | 140399523 | 0 | 25-35 | 67 | |
| SRR20106164 | 86.47 | pass | 164056434 | 0 | 35-101 | 69 | pass | 143432492 | 0 | 25-35 | 71 | |
| SRR20106165 | 87.43 | pass | 102449120 | 0 | 35-101 | 68 | pass | 80942194 | 0 | 25-35 | 71 | |
| SRR20106166 | 88.35 | pass | 175658401 | 0 | 35-101 | 68 | pass | 146856243 | 0 | 25-35 | 70 | |
| SRR20106167 | 88.41 | pass | 165751250 | 0 | 35-101 | 69 | pass | 138150176 | 0 | 25-35 | 71 | |
| SRR20106168 | 88.12 | pass | 167786892 | 0 | 35-101 | 69 | pass | 136625651 | 0 | 25-35 | 72 | |