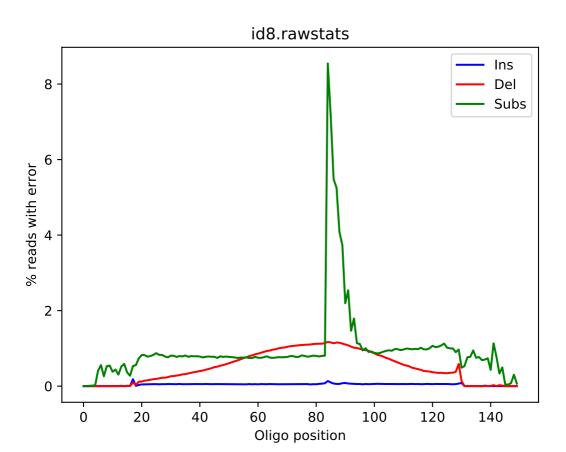
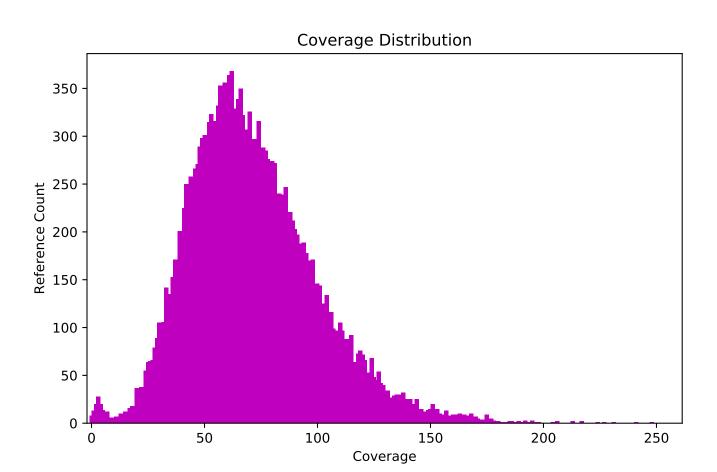
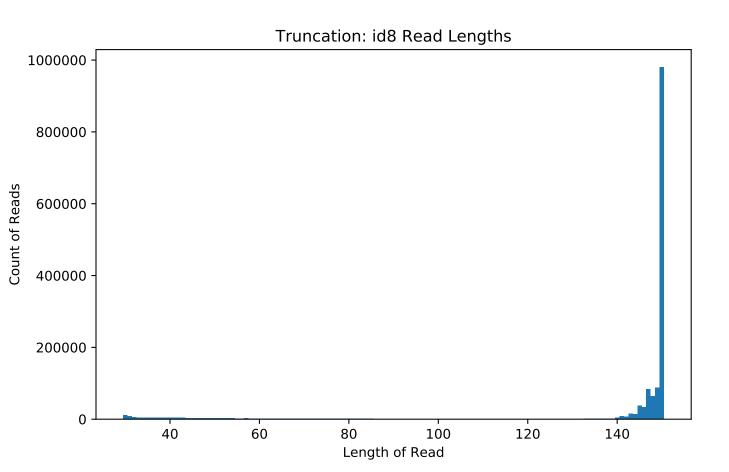
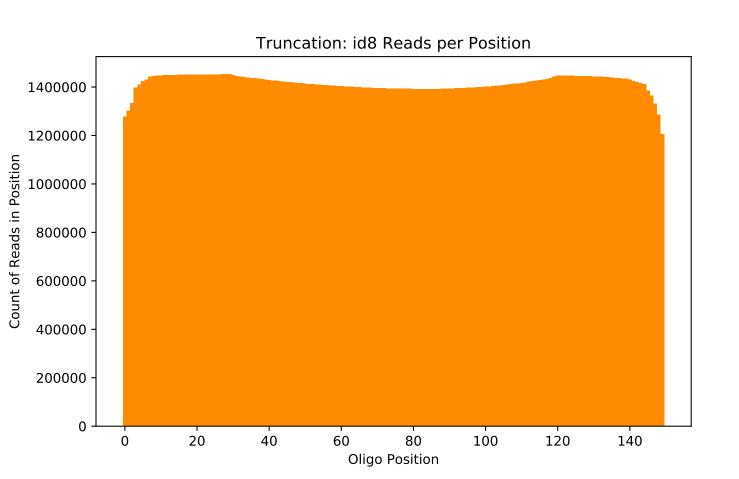
Reference	Average	Min	Max	Total Oligos	% Oligos with 0 reads
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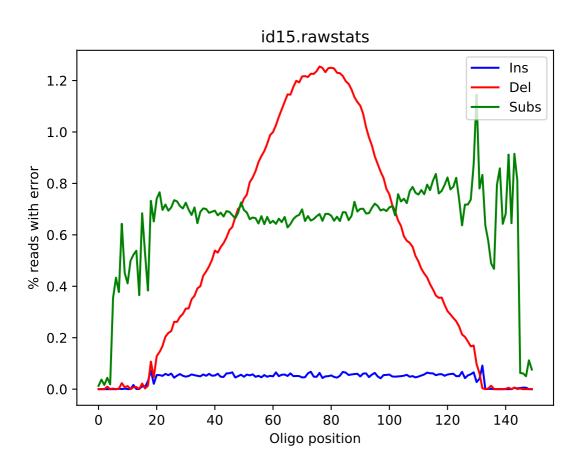
Statistic         Value           Insertion Average         0.0648           %InsA         19.9836           %InsC         17.1075           %InsT         16.5191           %InsG         46.378           Deletion Average         0.7792           %DelA         28.3785           %DelC         27.3293           %DelT         21.7714           %DelG         23.6231           Substitution Average         1.4566           %Sub AtoC         9.5446           %Sub AtoG         5.372           %Sub AtoT         15.7881           %Sub CtoA         12.9876           %Sub CtoG         7.6329           %Sub CtoT         4.4966           %Sub GtoA         3.0677           %Sub GtoC         6.5617           %Sub GtoT         16.7738		
%InsA       19.9836         %InsC       17.1075         %InsT       16.5191         %InsG       46.378         Deletion Average       0.7792         %DelA       28.3785         %DelC       27.3293         %DelT       21.7714         %DelG       23.6231         Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	Statistic	Value
%InsC       17.1075         %InsT       16.5191         %InsG       46.378         Deletion Average       0.7792         %DelA       28.3785         %DelC       27.3293         %DelT       21.7714         %DelG       23.6231         Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub GtoA       3.0677         %Sub GtoC       6.5617	Insertion Average	0.0648
%InsT       16.5191         %InsG       46.378         Deletion Average       0.7792         %DelA       28.3785         %DelC       27.3293         %DelT       21.7714         %DelG       23.6231         Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%InsA	19.9836
%InsG       46.378         Deletion Average       0.7792         %DelA       28.3785         %DelC       27.3293         %DelT       21.7714         %DelG       23.6231         Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%InsC	17.1075
Deletion Average         0.7792           %DelA         28.3785           %DelC         27.3293           %DelT         21.7714           %DelG         23.6231           Substitution Average         1.4566           %Sub AtoC         9.5446           %Sub AtoG         5.372           %Sub AtoT         15.7881           %Sub CtoA         12.9876           %Sub CtoG         7.6329           %Sub GtoA         3.0677           %Sub GtoC         6.5617	%InsT	16.5191
%DeIA       28.3785         %DeIC       27.3293         %DeIT       21.7714         %DeIG       23.6231         Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%InsG	46.378
%DelC       27.3293         %DelT       21.7714         %DelG       23.6231         Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	Deletion Average	0.7792
%DelT       21.7714         %DelG       23.6231         Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%DelA	28.3785
%DelG       23.6231         Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%DelC	27.3293
Substitution Average       1.4566         %Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%DelT	21.7714
%Sub AtoC       9.5446         %Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%DelG	23.6231
%Sub AtoG       5.372         %Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	Substitution Average	1.4566
%Sub AtoT       15.7881         %Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%Sub AtoC	9.5446
%Sub CtoA       12.9876         %Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%Sub AtoG	5.372
%Sub CtoG       7.6329         %Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%Sub AtoT	15.7881
%Sub CtoT       4.4966         %Sub GtoA       3.0677         %Sub GtoC       6.5617	%Sub CtoA	12.9876
%Sub GtoA 3.0677 %Sub GtoC 6.5617	%Sub CtoG	7.6329
%Sub GtoC 6.5617	%Sub CtoT	4.4966
	%Sub GtoA	3.0677
%Sub GtoT 16.7738	%Sub GtoC	6.5617
	%Sub GtoT	16.7738
%Sub TtoA 9.4205	%Sub TtoA	9.4205
%Sub TtoC 3.0386	%Sub TtoC	3.0386
%Sub TtoG 6.6464	%Sub TtoG	6.6464



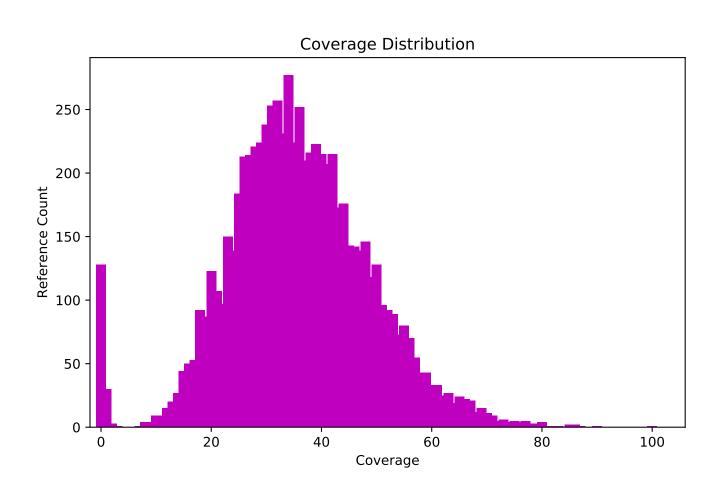


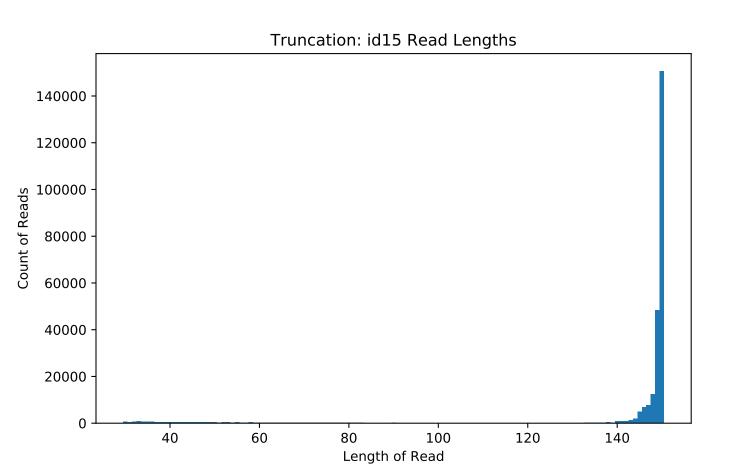


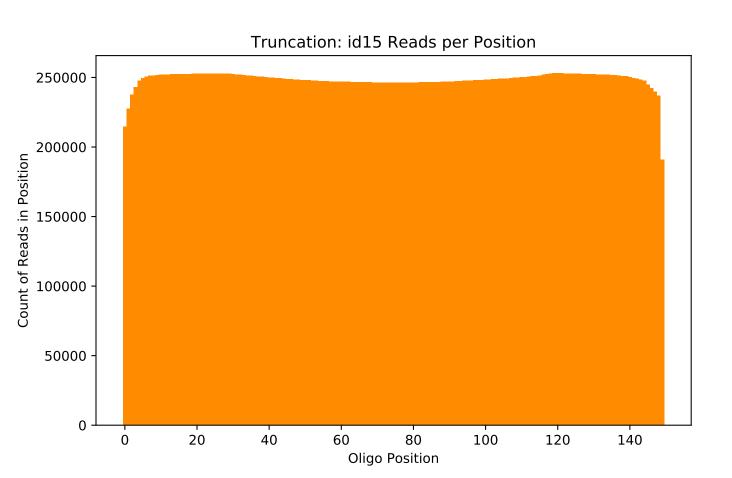
Reference	Average	Min	Max	Total Oligos	% Oligos with 0 reads
id15	36.03	0	100	7373	1.74



Insertion Average 0.0626 %InsA 22.1924 %InsC 19.9761 %InsT 20.0478 %InsG 37.7838 Deletion Average 0.8051 %DelA 25.2622 %DelC 23.9162 %DelT 24.2631 %DelG 26.7499 Substitution Average 0.9625 %Sub AtoC 5.6533 %Sub AtoG 1.3508 %Sub AtoT 9.2426 %Sub CtoA 11.9014 %Sub CtoG 4.7944 %Sub CtoG 4.7944 %Sub GtoA 6.003 %Sub GtoC 7.2419 %Sub GtoT 11.7455 %Sub TtoA 14.4645 %Sub TtoC 19.5239 %Sub TtoG 5.5529	Statistic	Value
%InsA       22.1924         %InsC       19.9761         %InsT       20.0478         %InsG       37.7838         Deletion Average       0.8051         %DelA       25.2622         %DelC       23.9162         %DelT       24.2631         %DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239		
%InsC       19.9761         %InsT       20.0478         %InsG       37.7838         Deletion Average       0.8051         %DelA       25.2622         %DelC       23.9162         %DelT       24.2631         %DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	Insertion Average	0.0626
%InsT       20.0478         %InsG       37.7838         Deletion Average       0.8051         %DelA       25.2622         %DelC       23.9162         %DelT       24.2631         %DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoT       11.7455         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%InsA	22.1924
%InsG       37.7838         Deletion Average       0.8051         %DelA       25.2622         %DelC       23.9162         %DelT       24.2631         %DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%InsC	19.9761
Deletion Average       0.8051         %DelA       25.2622         %DelC       23.9162         %DelT       24.2631         %DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%InsT	20.0478
%DelA       25.2622         %DelC       23.9162         %DelT       24.2631         %DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%InsG	37.7838
%DelC       23.9162         %DelT       24.2631         %DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	Deletion Average	0.8051
%DelT       24.2631         %DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%DelA	25.2622
%DelG       26.7499         Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%DelC	23.9162
Substitution Average       0.9625         %Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%DelT	24.2631
%Sub AtoC       5.6533         %Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%DelG	26.7499
%Sub AtoG       1.3508         %Sub AtoT       9.2426         %Sub CtoA       11.9014         %Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	Substitution Average	0.9625
%Sub AtoT9.2426%Sub CtoA11.9014%Sub CtoG4.7944%Sub CtoT2.3793%Sub GtoA6.003%Sub GtoC7.2419%Sub GtoT11.7455%Sub TtoA14.4645%Sub TtoC19.5239	%Sub AtoC	5.6533
%Sub CtoA11.9014%Sub CtoG4.7944%Sub CtoT2.3793%Sub GtoA6.003%Sub GtoC7.2419%Sub GtoT11.7455%Sub TtoA14.4645%Sub TtoC19.5239	%Sub AtoG	1.3508
%Sub CtoG       4.7944         %Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%Sub AtoT	9.2426
%Sub CtoT       2.3793         %Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%Sub CtoA	11.9014
%Sub GtoA       6.003         %Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%Sub CtoG	4.7944
%Sub GtoC       7.2419         %Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%Sub CtoT	2.3793
%Sub GtoT       11.7455         %Sub TtoA       14.4645         %Sub TtoC       19.5239	%Sub GtoA	6.003
%Sub TtoA       14.4645         %Sub TtoC       19.5239	%Sub GtoC	7.2419
%Sub TtoC 19.5239	%Sub GtoT	11.7455
	%Sub TtoA	14.4645
%Sub TtoG 5.5529	%Sub TtoC	19.5239
	%Sub TtoG	5.5529







## Report Summary

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