SBS1 **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Trinucleotide Contexts

SBS2 **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G G G Percentage OF Single Base Substitution 20%

SBS3 **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS4 **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS5 **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20% Linucleotide Contexts

SBS7a **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20% Trinucleotide Contexts

SBS7b **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G G G Percentage OF Single Base Substitution 20%

SBS7c **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20% Liuncleotide Coutexts

SBS7d **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20%

SBS8 **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS10a **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20%

SBS10b **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS11 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS13 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20%

SBS15 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20% Liuncleotide Coutexts

SBS16 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS17a **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Linucleotide Contexts

SBS17b **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G G G Percentage OF Single Base Substitution 20%

Liuncleotide Coutexts

SBS19 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20% **Linucleotide Contexts**

SBS20 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Trinucleotide Contexts

SBS21 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G G G Percentage OF Single Base Substitution 20%

Trinucleotide Contexts

SBS22a **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS22b **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS23 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS28 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G G Percentage OF Single Base Substitution 20%

SBS29 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G 20%

Trinucleotide Contexts

SBS31 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G G G Percentage OF Single Base Substitution 20%

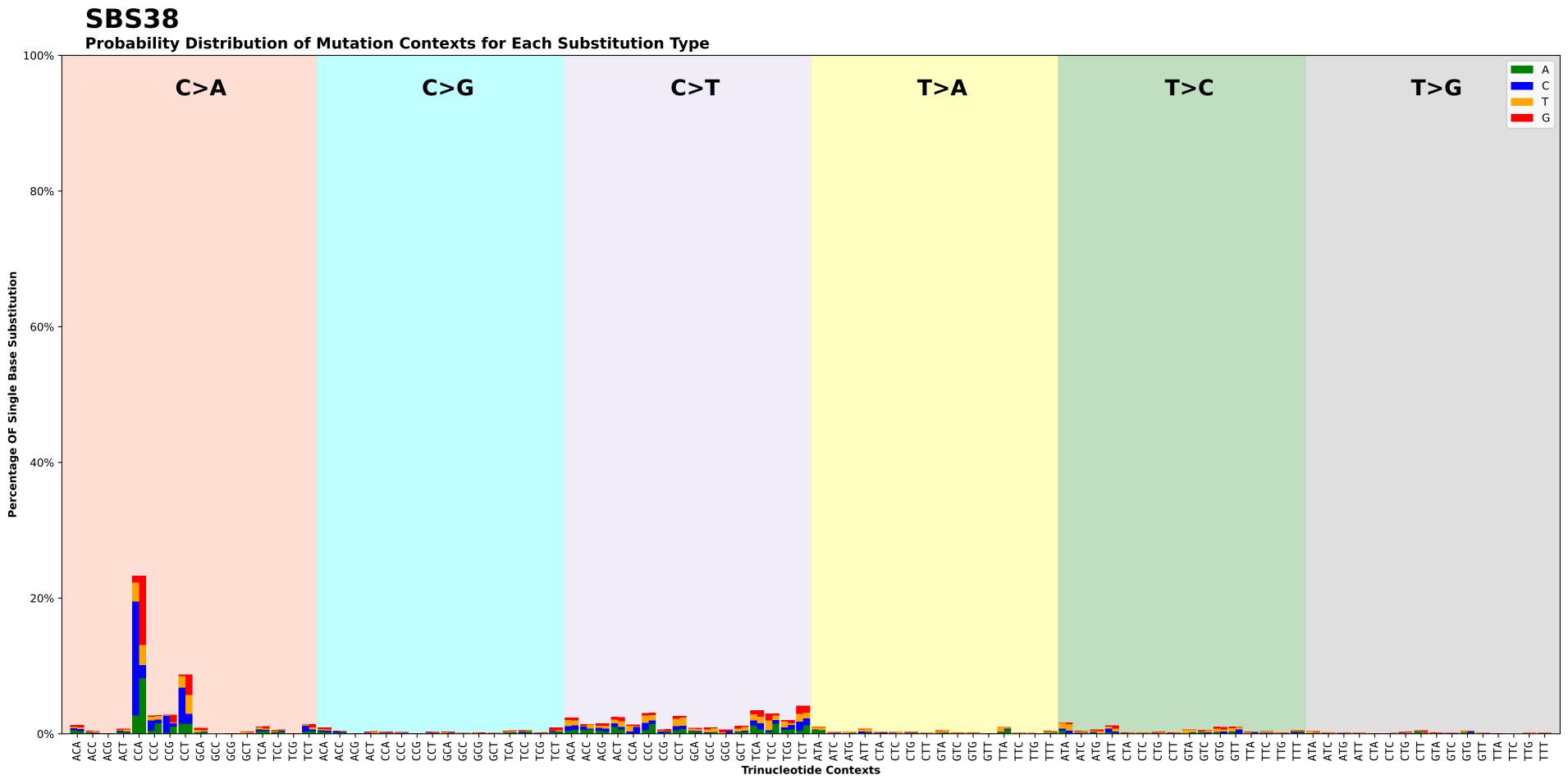
SBS32 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20%

SBS34 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Liuncleotide Contexts

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SBS37 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%



SBS39 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS40c **Probability Distribution of Mutation Contexts for Each Substitution Type** 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Linucleotide Contexts

SBS43 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

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SBS44 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20%

SBS46 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Linucleotide Contexts

SBS51 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Linucleotide Contexts

SBS52 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Linucleotide Contexts

SBS54 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G G Percentage OF Single Base Substitution 20% Linucleotide Contexts

SBS55 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20% Liuncleotide Coutexts

SBS57 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Trinucleotide Contexts

SBS58 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20%

SBS84 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Linucleotide Contexts

SBS86 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G **G** Percentage OF Single Base Substitution 20%

SBS87 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Liuncleotide Contexts

SBS93 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS97 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20%

SBS99 Probability Distribution of Mutation Contexts for Each Substitution Type 100% -T>A T>C C>A C>G C>T T>G Percentage OF Single Base Substitution 20% Linucleotide Contexts