

## Quality control data for the 7 species demonstrated

LSTrAP-Kingdom automatically generates:

1. A summary of recommended quality control (QC) thresholds for each species ([Table 1A](#))
2. A matrix of the number of experiments passing QC for combinations of thresholds used ([Table 1B](#) shows the example matrix for taxid3218)
3. Jointplots visualizing the quality of experiments in each species ([Table 1C](#))

The user can edit the QC thresholds in Table 1A (example in Table 2A) and pass it back to LSTrAP-Kingdom, which will then update the following:

1. Updated jointplots visualizing the quality of experiments in each species, with labels updated for the new thresholds ([Table 2B](#))

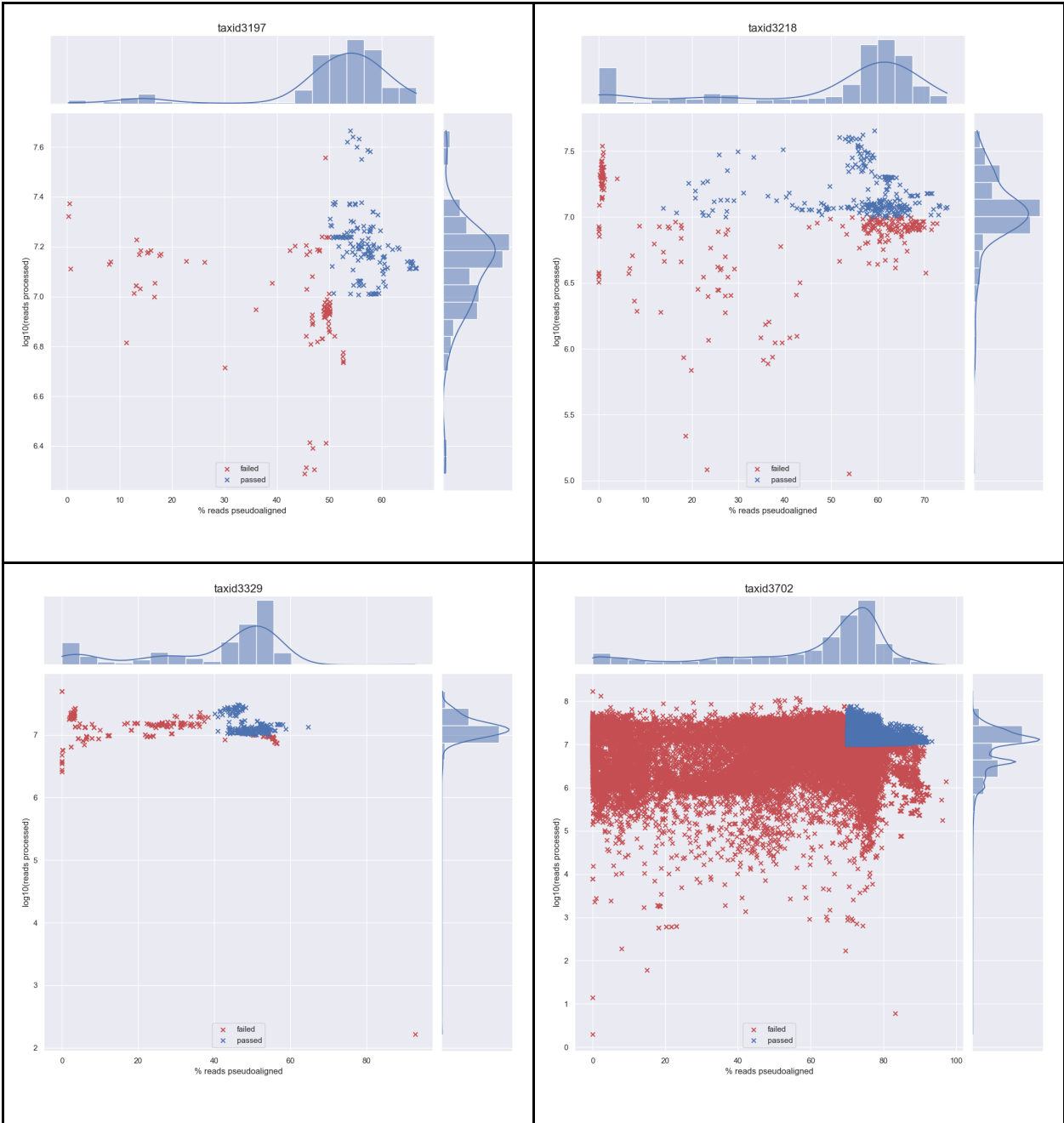
Table 1A: An automatically generated summary of recommended quality control (QC) thresholds for each species

	log10(processed) cutoff	% pseudoaligned cutoff	Number of Run IDs passed
3197	7	50	144
3218	7	10	252
3329	7	40	254
3702	7	70	11795
4081	7	20	4086
4530	7	50	5681
4577	7	70	1578

Table 1B: Example of matrix of different combinations of cutoffs for log10(processed) and % pseudoaligned for taxid3218

[illegible]

Table 1C: Generated jointplots for QC for visualization before editing



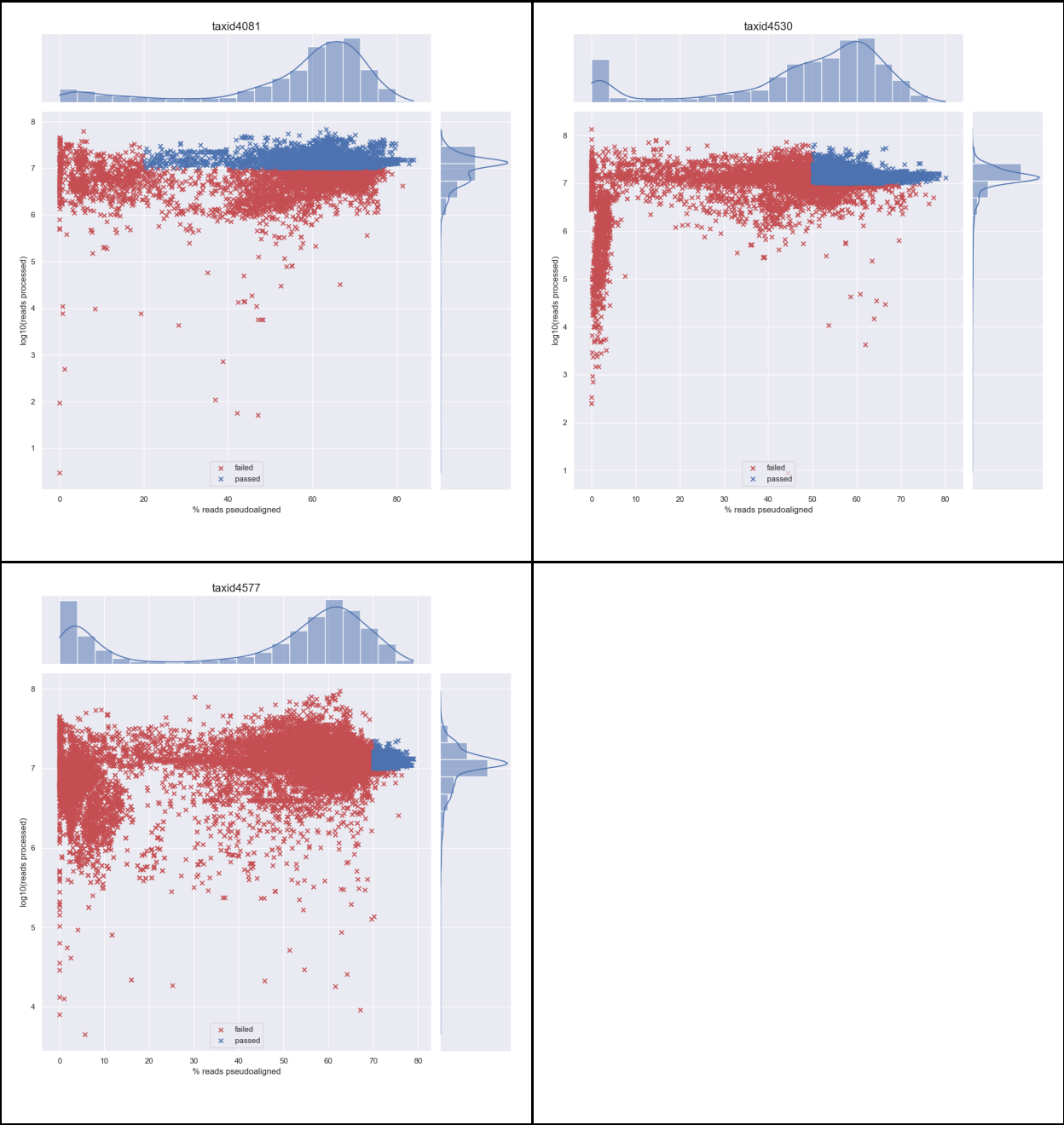


Table 2A: User edited summary of recommended quality control (QC) thresholds for each species

	log10(processed) cutoff	% pseudoaligned cutoff	Number of Run IDs passed
3197	7	50	144
3218	6.5	55	318
3329	6.8	42	304
3702	7	80	2117
4081	6.4	70	1416
4530	6	65	1449
4577	7	70	1578

Table 2B: Updated jointplots for QC for visualization after user had edited the thresholds

