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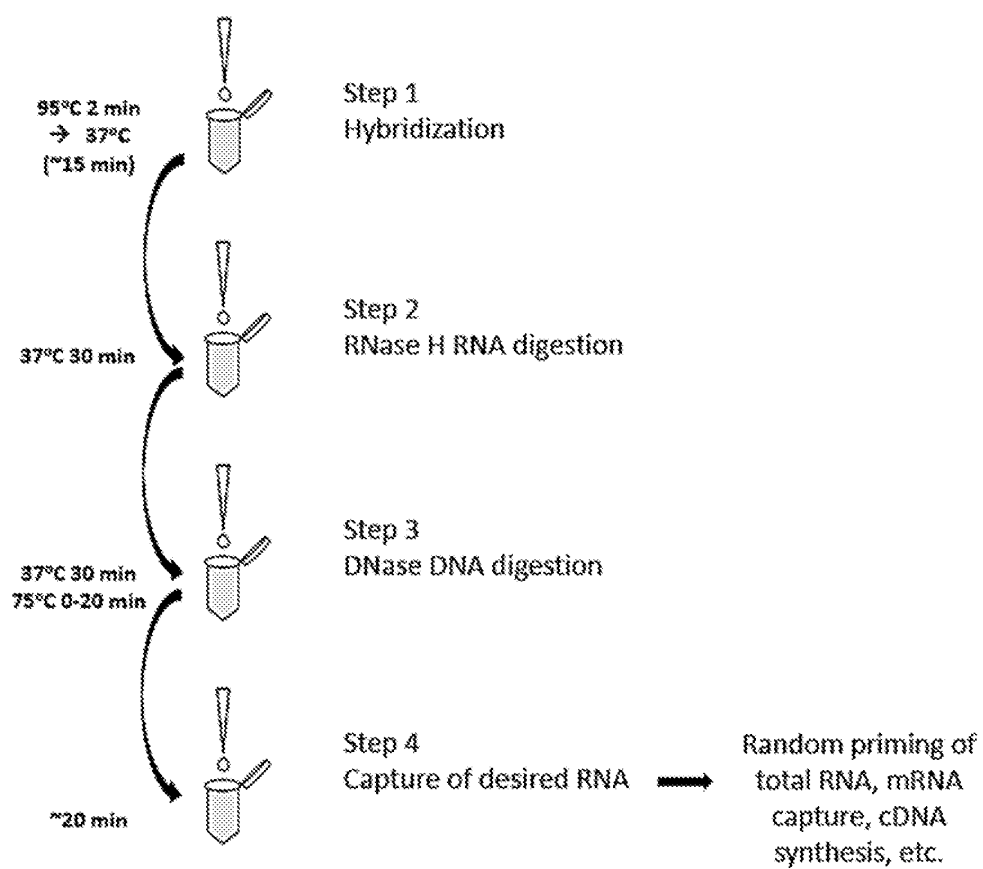


Figure 1

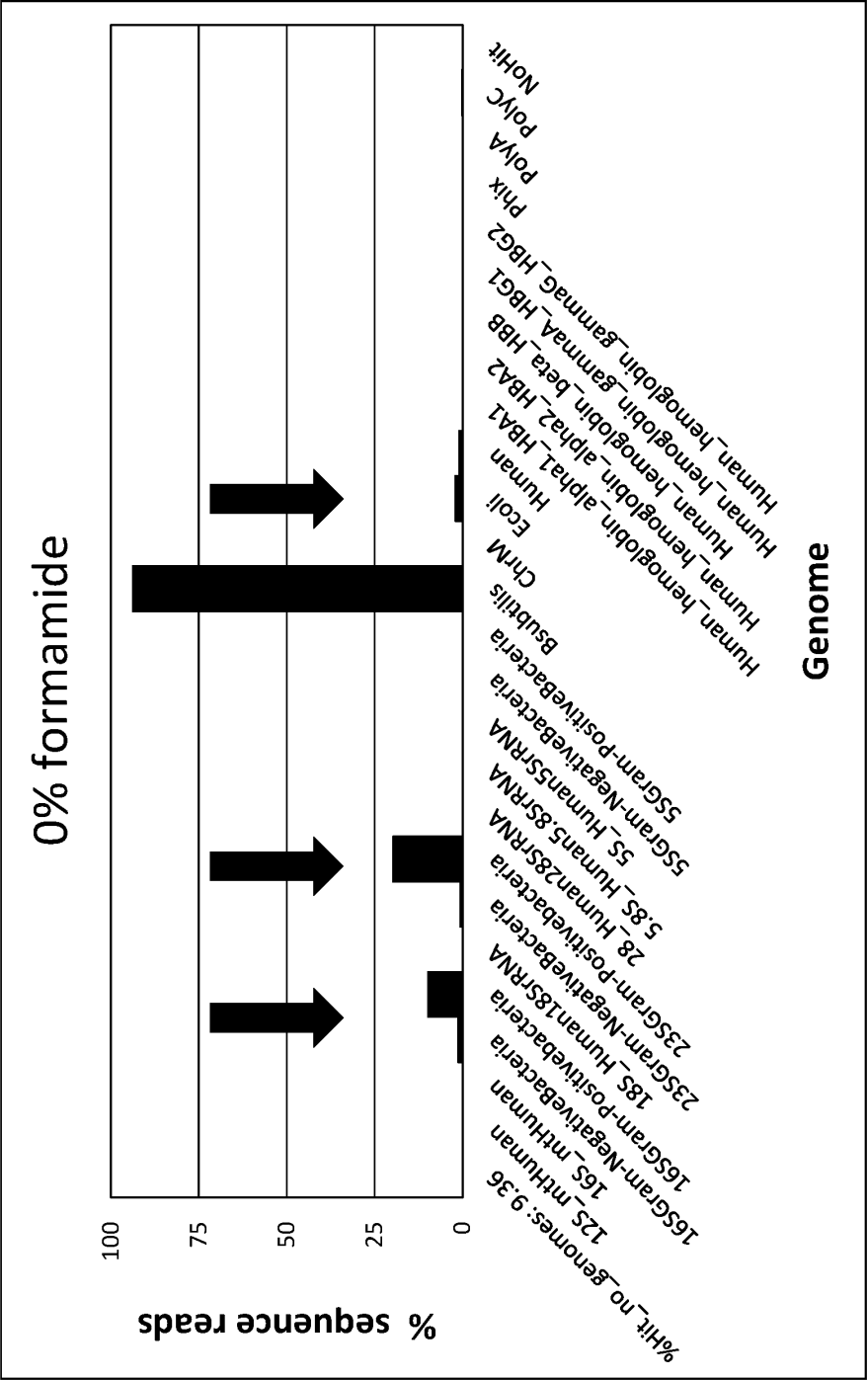


Figure 2A

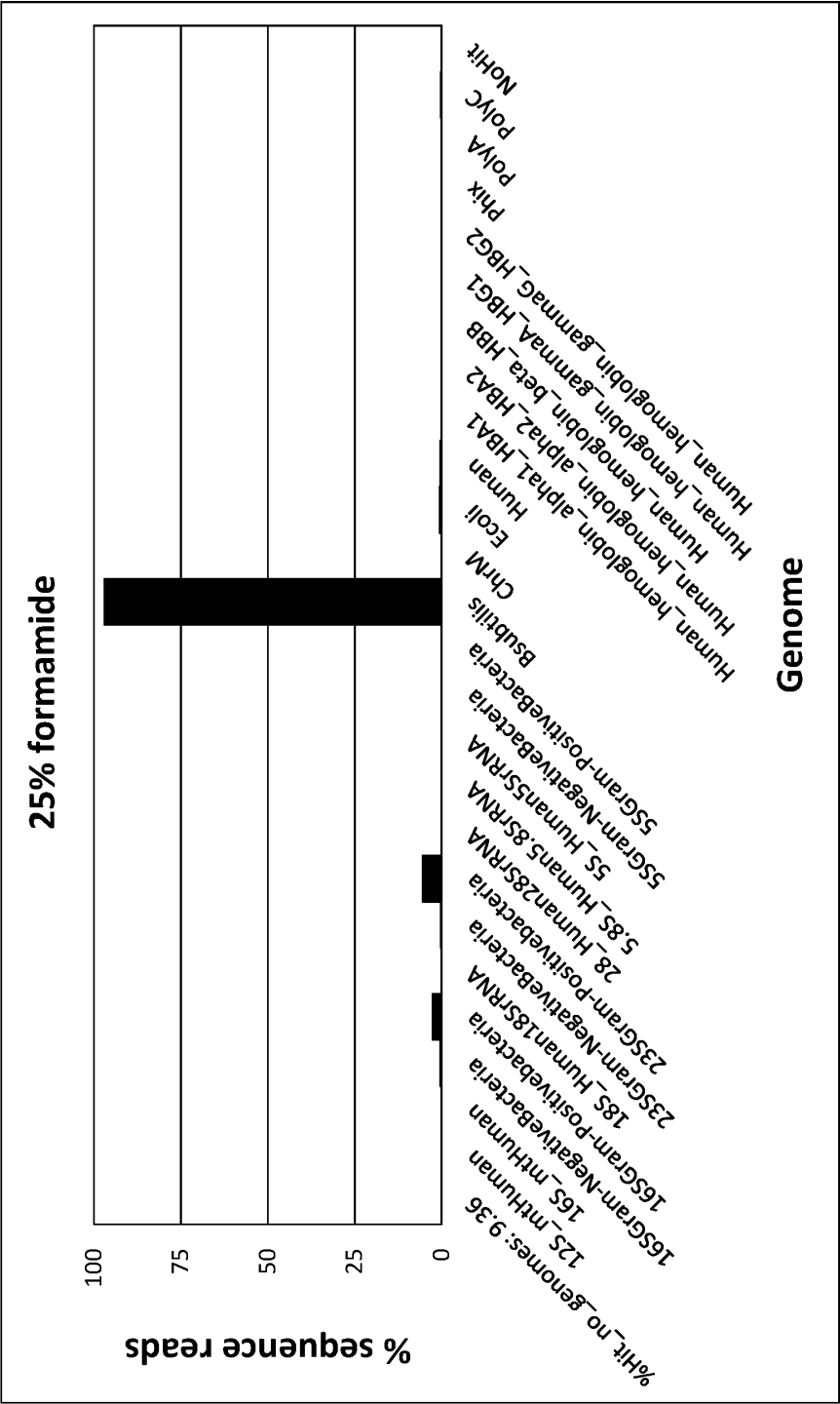


Figure 2B

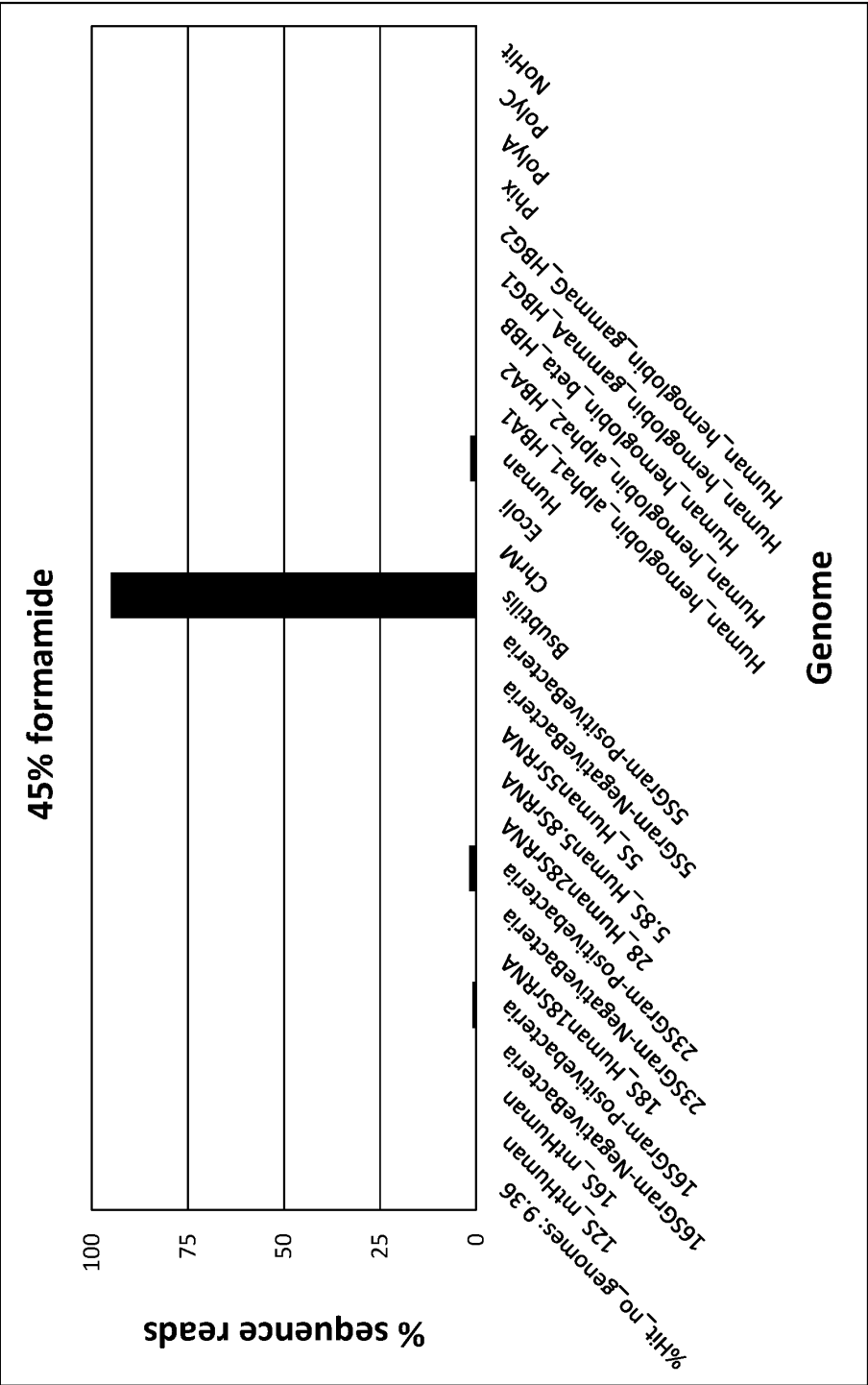


Figure 2C

Sample	Read length	Reads	% total alignment	% abundant	% unaligned	Median CV Coverage uniformity	% stranded
2181-144-HBR_100_1	76/76	21,123,299	95.99%	3.83%	4.01%	0.59	98.29%
2181-144-HBR_100_2	76/76	16,836,087	94.45%	4.14%	5.55%	0.64	98.04%
2181-144-HBR_100_3	76/76	20,318,497	95.41%	3.68%	4.59%	0.6	98.30%
2181-144-HBR_100_4	76/76	18,415,870	93.57%	6.19%	6.43%	0.71	98.34%
2181-144-HBR_10_1	76/76	16,541,450	93.55%	2.85%	6.45%	0.68	98.60%
2181-144-HBR_10_2	76/76	14,948,830	83.17%	3.19%	16.83%	0.76	98.60%
2181-144-HBR_10_3	76/76	15,362,719	85.59%	2.66%	14.41%	0.82	98.43%
2181-144-HBR_10_4	76/76	15,973,964	53.28%	3.18%	46.72%	0.88	98.64%
2181-144-HBR_1_1	76/76	18,165,880	76.35%	3.13%	23.65%	0.82	98.48%
2181-144-HBR_1_2	76/76	18,608,239	79.17%	4.46%	20.86%	0.74	98.66%
2181-144-HBR_1_3	76/76	17,071,720	71.65%	4.04%	28.35%	0.76	98.63%
2181-144-HBR_1_4	76/76	18,655,503	75.76%	4.13%	24.24%	0.79	98.61%
2181-144-UHR_100_1	76/76	17,501,012	95.70%	5.54%	4.30%	0.65	98.95%
2181-144-UHR_100_2	76/76	19,275,813	96.09%	5.74%	3.91%	0.63	98.95%
2181-144-UHR_100_3	76/76	18,020,705	96.05%	5.35%	3.95%	0.63	98.98%
2181-144-UHR_100_4	76/76	20,194,510	96.34%	5.15%	3.66%	0.62	99.01%
2181-144-UHR_10_1	76/76	18,156,567	95.69%	4.21%	4.31%	0.67	99.06%
2181-144-UHR_10_2	76/76	17,589,818	95.47%	2.93%	4.53%	0.68	99.04%
2181-144-UHR_10_3	76/76	11,661,050	80.16%	3.95%	19.84%	0.88	99.11%
2181-144-UHR_10_4	76/76	14,233,408	62.15%	37.92%	37.85%	1.32	97.95%
2181-144-UHR_1_1	76/76	15,352,007	70.16%	3.77%	29.84%	0.9	98.94%
2181-144-UHR_1_2	76/76	12,984,169	56.02%	4.14%	43.98%	1.06	98.98%
2181-144-UHR_1_3	76/76	15,925,824	69.17%	4.25%	30.83%	0.94	98.95%
2181-144-UHR_1_4	76/76	18,471,152	74.59%	3.09%	25.41%	0.87	98.03%

Figure 3

100ng

10ng

1ng

100ng

10ng

1ng

Sample species	% Formamide	Read Length	Number of Reads	% Total Aligned	% Abundant	% Unaligned	Median CV Coverage Uniformity	% Stranded
Mouse	0	76/76	20,906,236	95.89%	6.77%	4.11%	0.7	98.81%
Mouse	0	76/76	21,519,072	95.41%	5.99%	4.59%	0.7	98.75%
Mouse	0	76/76	16,278,898	95.81%	4.95%	4.19%	0.69	98.78%
Mouse	25	76/76	17,899,655	95.53%	7.87%	4.47%	0.57	98.93%
Mouse	25	76/76	14,429,705	95.90%	5.77%	4.10%	0.59	98.92%
Mouse	25	76/76	13,912,920	95.49%	6.01%	4.51%	0.59	98.89%
Mouse	25	76/76	29,429,014	95.97%	6.44%	4.03%	0.58	98.91%
Mouse	45	76/76	12,574,052	95.34%	9.55%	4.66%	0.57	98.95%
Mouse	45	76/76	25,749,347	95.40%	8.10%	4.60%	0.59	98.91%
Mouse	45	76/76	26,674,283	95.57%	7.92%	4.43%	0.6	98.98%
Rat	0	76/76	24,887,831	95.23%	2.36%	4.77%	0.64	98.85%
Rat	0	76/76	24,044,473	95.60%	1.77%	4.40%	0.65	98.77%
Rat	0	76/76	24,074,413	95.78%	1.71%	4.22%	0.67	98.85%
Rat	0	76/76	18,888,445	95.53%	2.08%	4.47%	0.66	98.81%
Rat	25	76/76	19,992,000	95.23%	3.40%	4.77%	0.52	99.02%
Rat	25	76/76	22,550,033	95.65%	3.71%	4.35%	0.52	99.01%
Rat	25	76/76	19,816,333	95.70%	3.55%	4.30%	0.52	98.98%
Rat	25	76/76	23,590,623	94.86%	4.18%	5.14%	0.62	99.03%
Rat	45	76/76	14,029,563	95.59%	8.87%	4.41%	0.51	99.06%
Rat	45	76/76	13,833,972	95.55%	7.81%	4.45%	0.5	99.04%
Rat	45	76/76	12,156,543	95.50%	7.89%	4.50%	0.51	99.04%
Rat	45	76/76	14,414,597	95.47%	8.21%	4.53%	0.5	99.04%

Figure 4

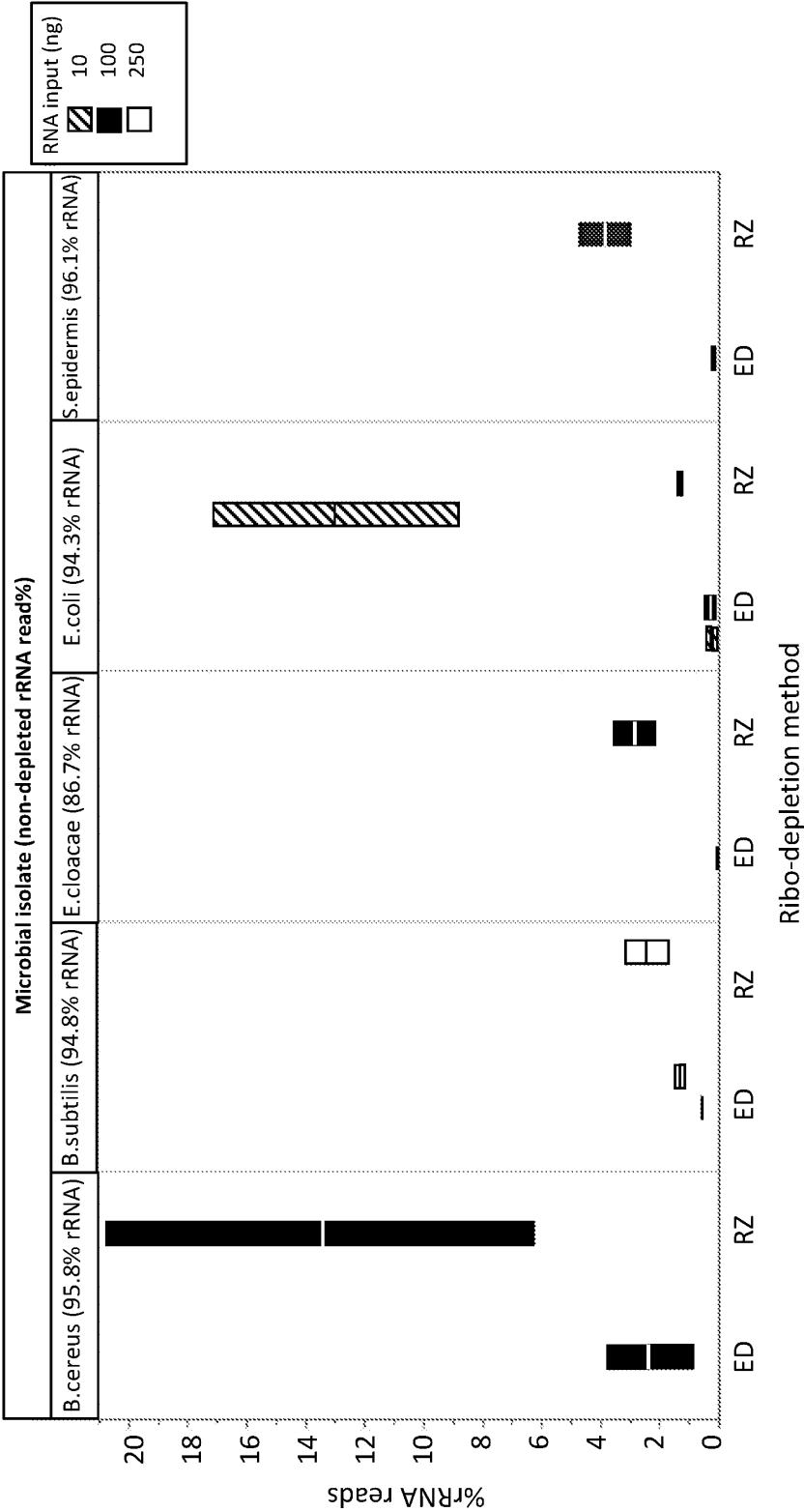


Figure 5

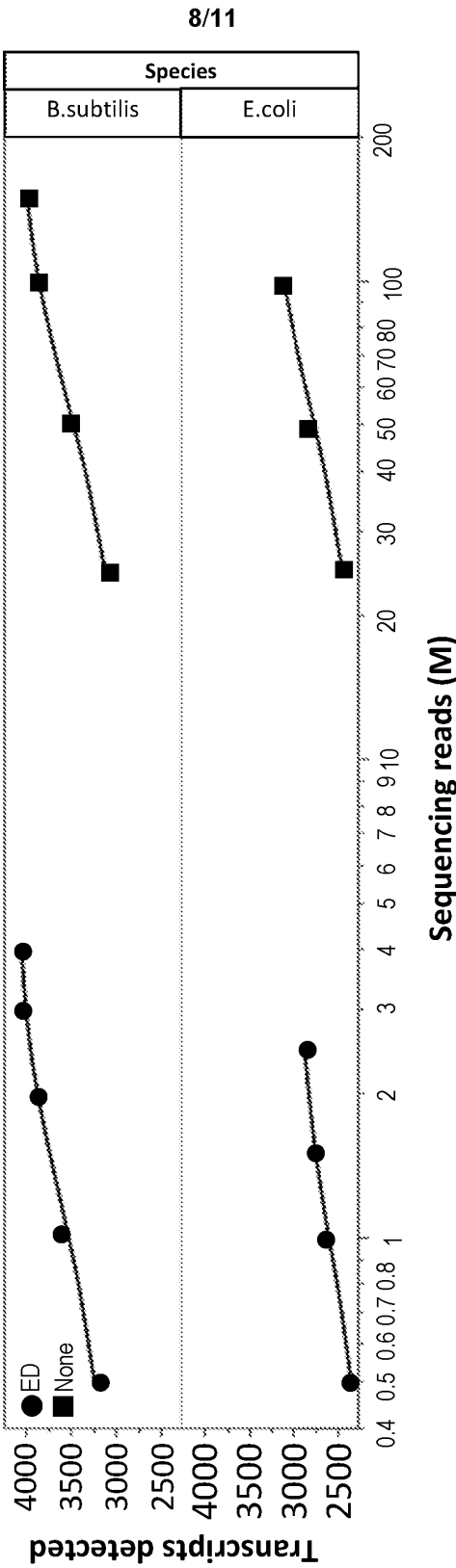


Figure 6

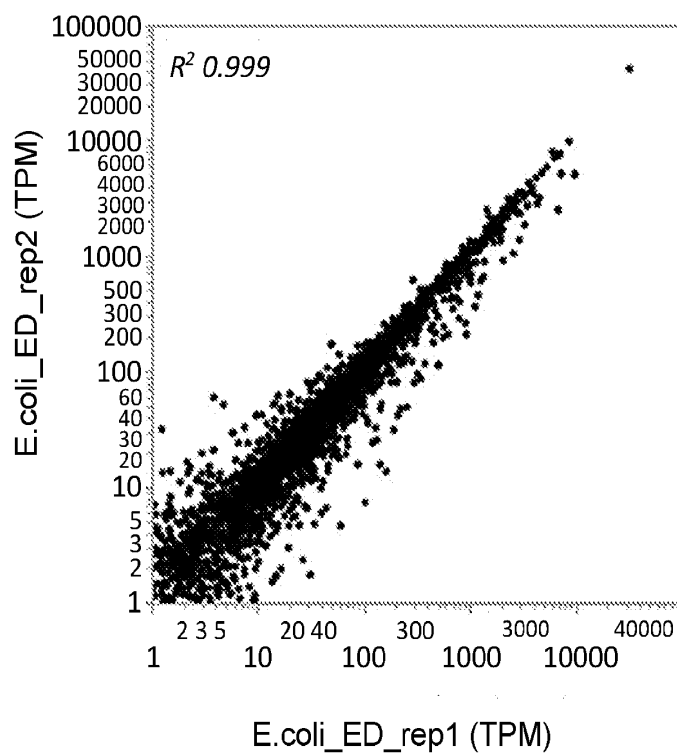


Figure 7A

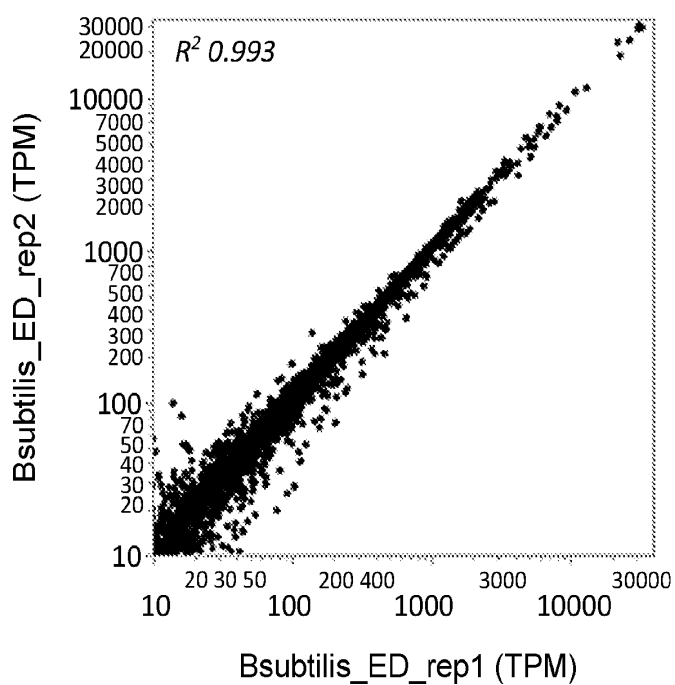


Figure 7B

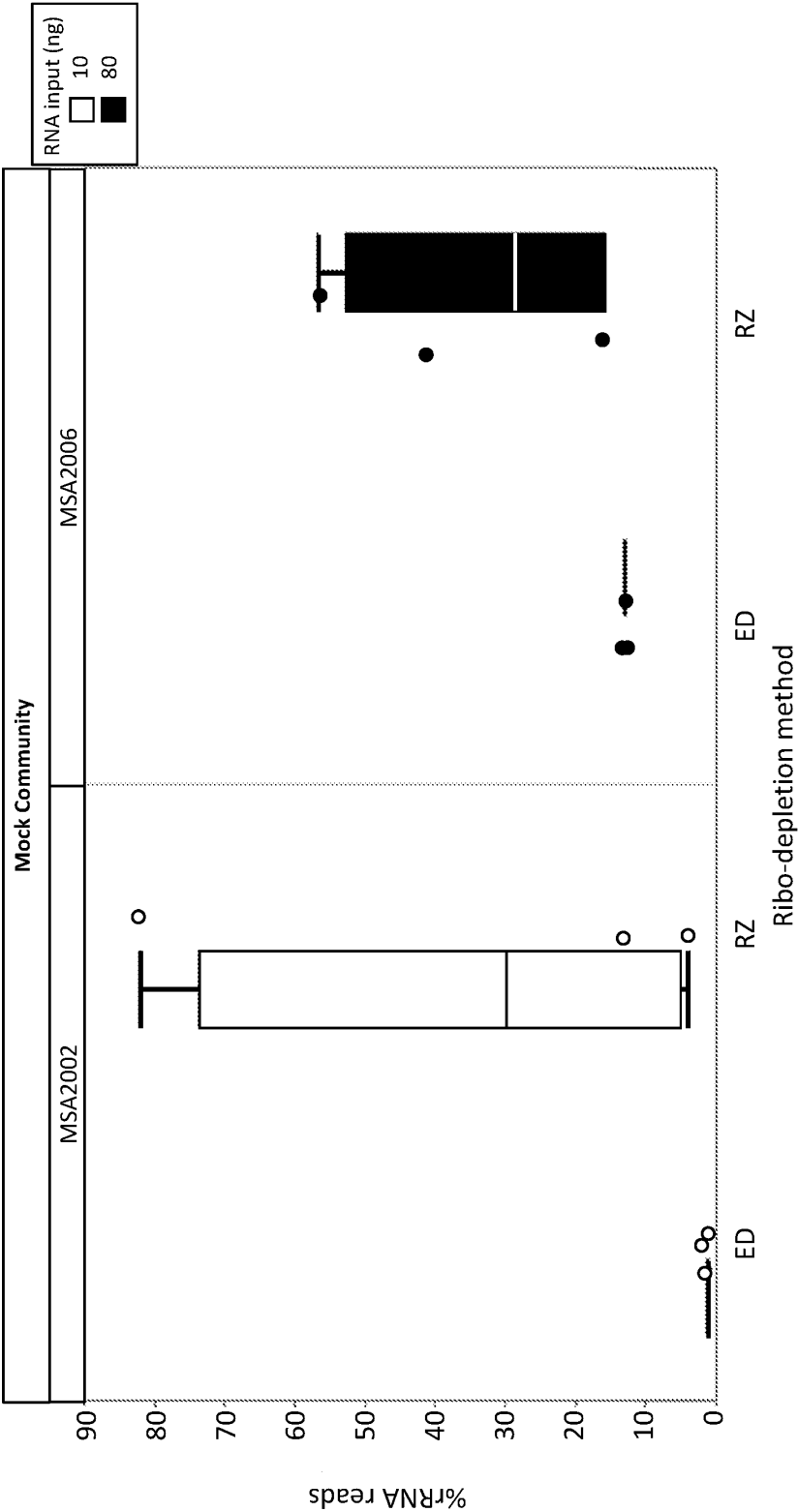


Figure 8

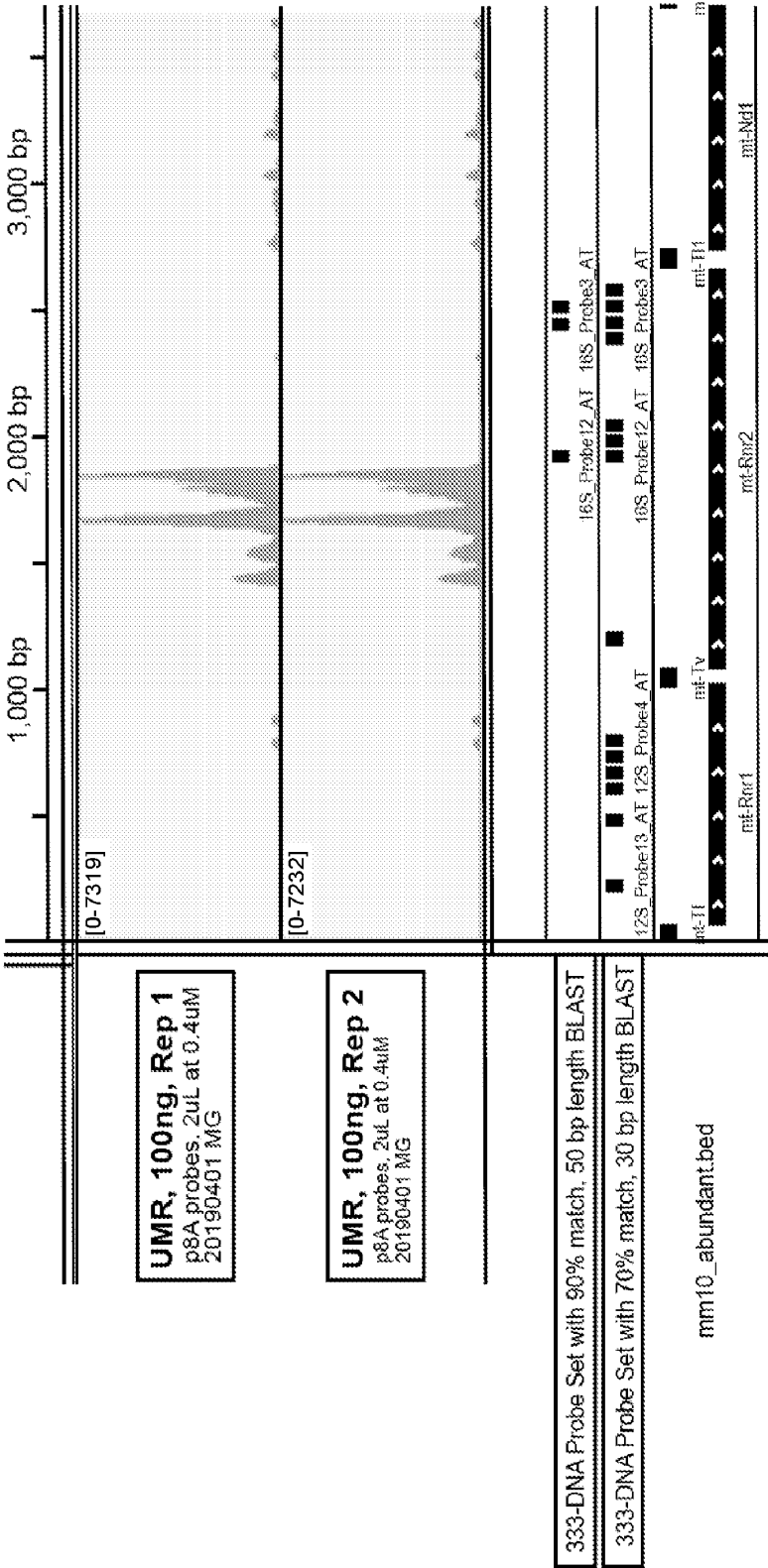


Figure 9