

Figure S1 The most enriched GO terms between HP_C and nHP_C. a, biological process; b, molecular function.

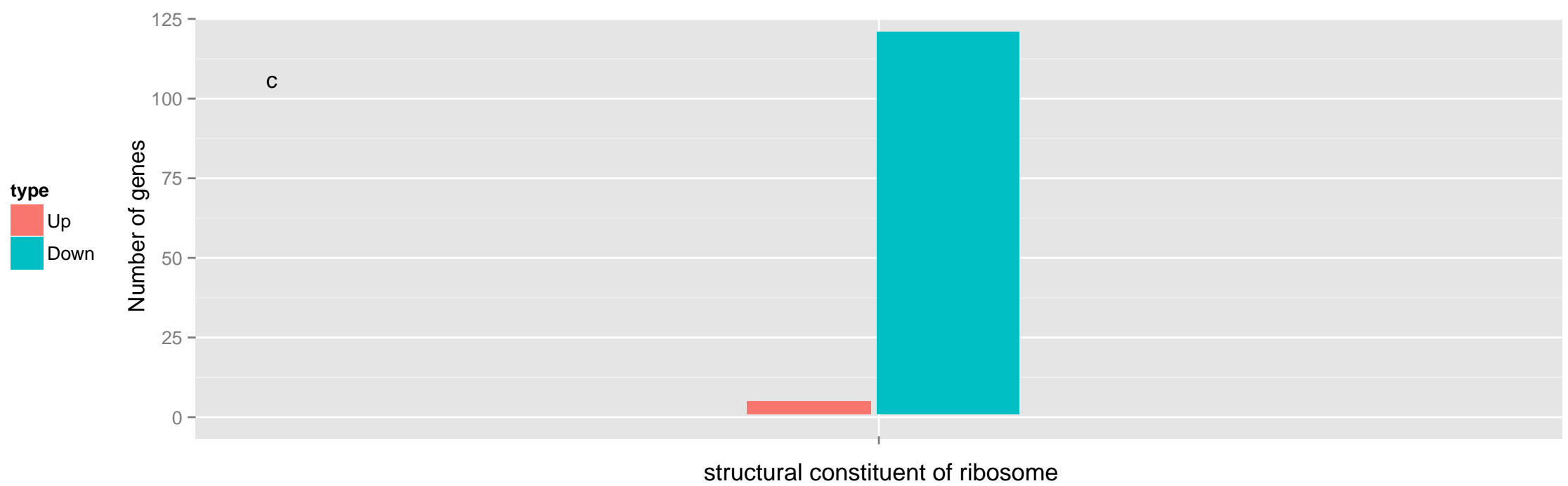
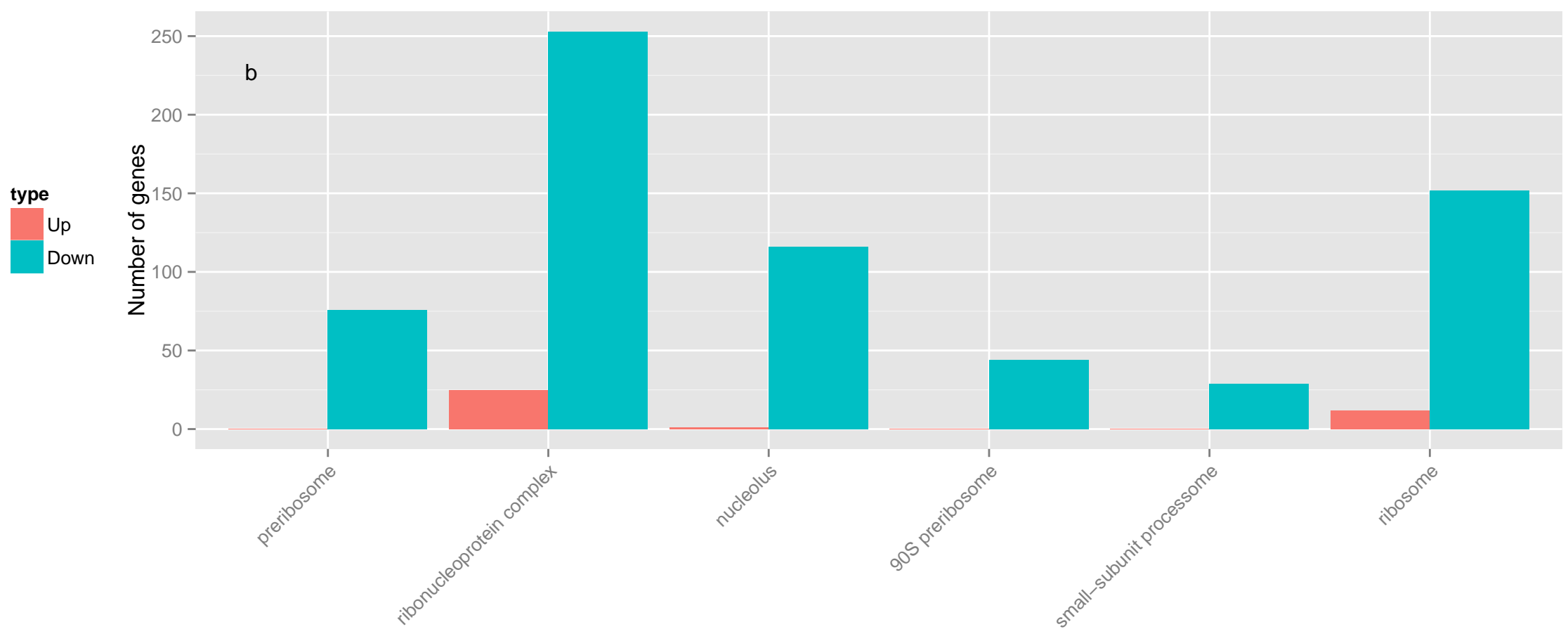
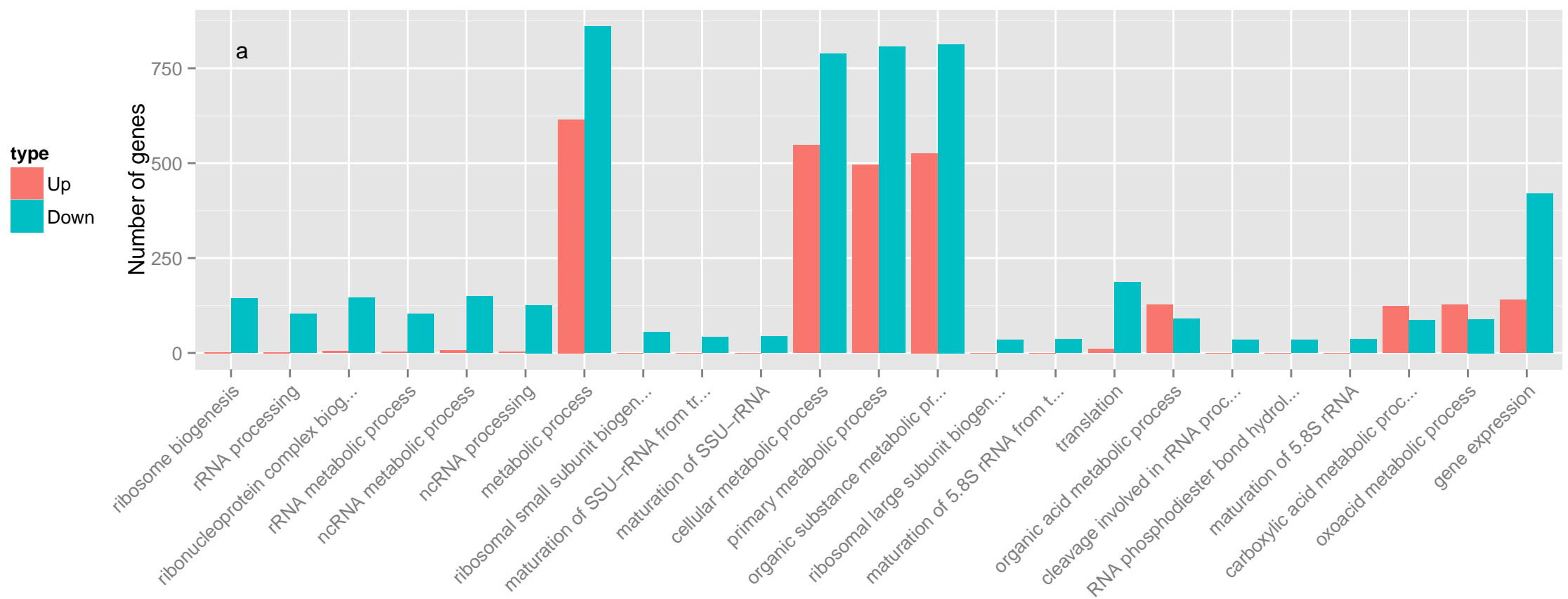


Figure S2 The most enriched GO terms between HP_M and nHP_M. a, biological process; b, cellular component; c, molecular function.

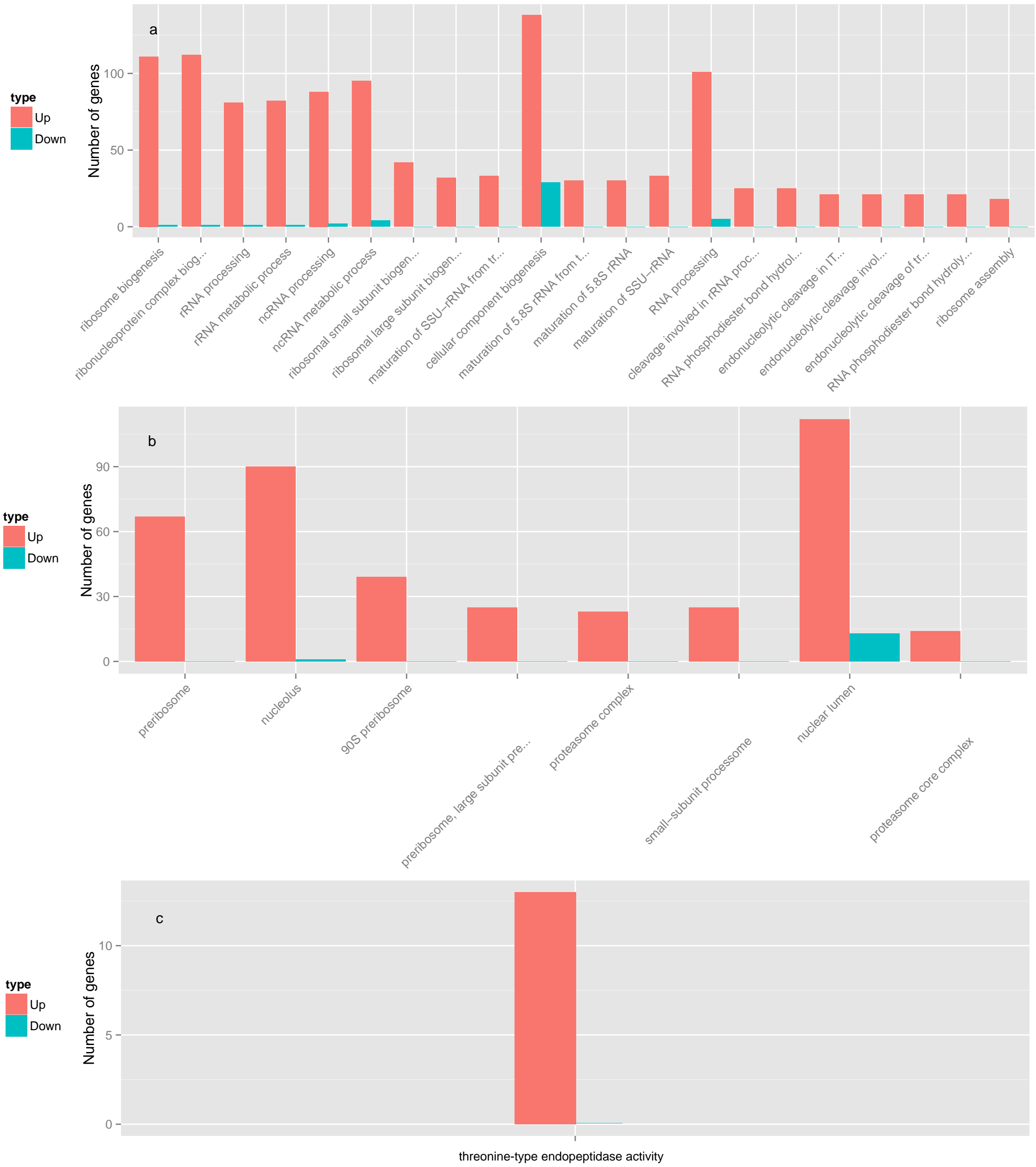
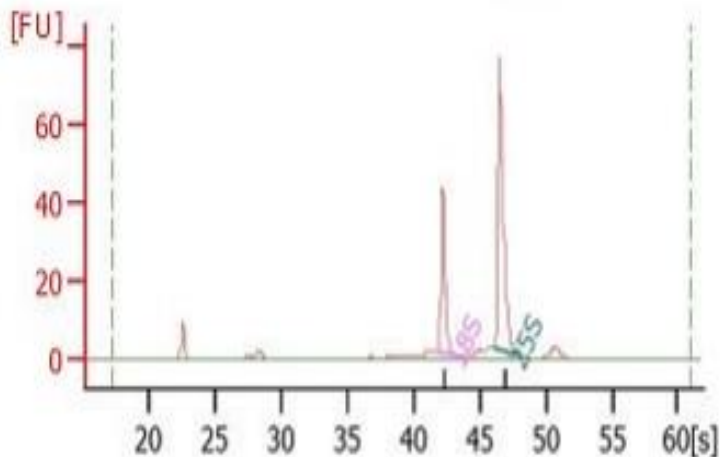


Figure S3 The most enriched GO terms between nHP_M and nHP_C. a, biological process; b, cellular component; c, molecular function.

Figure S5 The quality and the quantity of the RNA samples were checked by using Agilent 2100 Bioanalyzer System, agarose gel electrophoresis and NanoDrop Lite Spectrophotometer.

Sample: HP_C-1

R14040062



Overall Results for sample 9 : R14040062

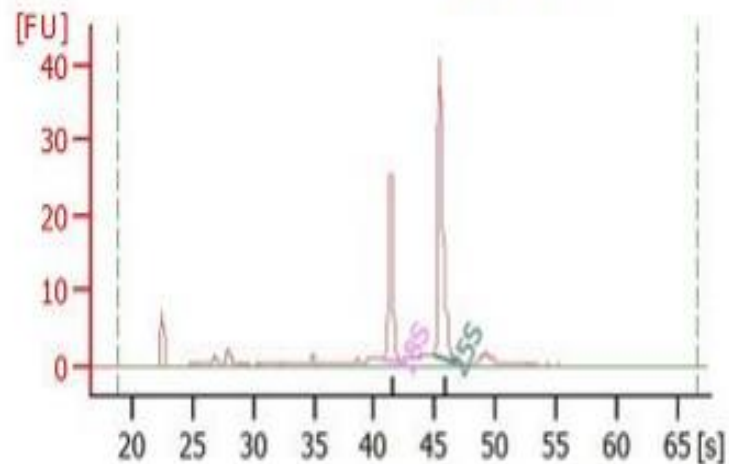
RNA Area: 181.6
 RNA Concentration: 163 ng/ μ l
 rRNA Ratio [25s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 9 : R14040062

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.68	43.23	37.6	20.7
25S	46.06	48.01	76.2	42.0

Sample: HP_C-2

R14030314



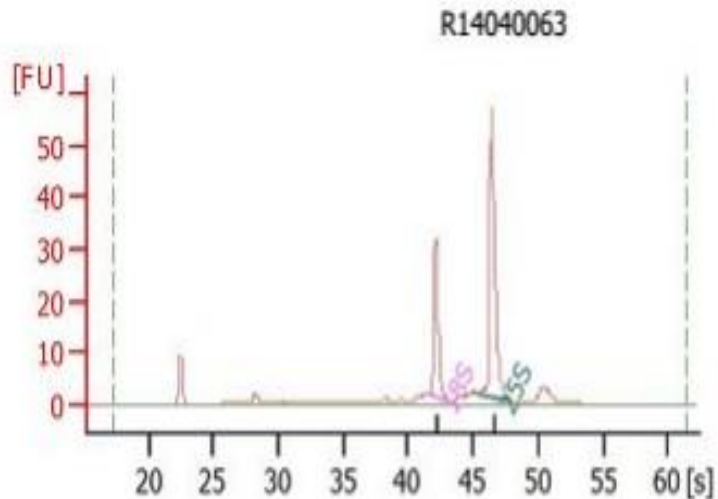
Overall Results for sample 6 : R14030314

RNA Area: 112.4
 RNA Concentration: 69 ng/ μ l
 rRNA Ratio [25s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 6 : R14030314

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.89	42.34	20.7	18.4
25S	44.95	46.89	43.2	38.4

Sample: HP_M-1



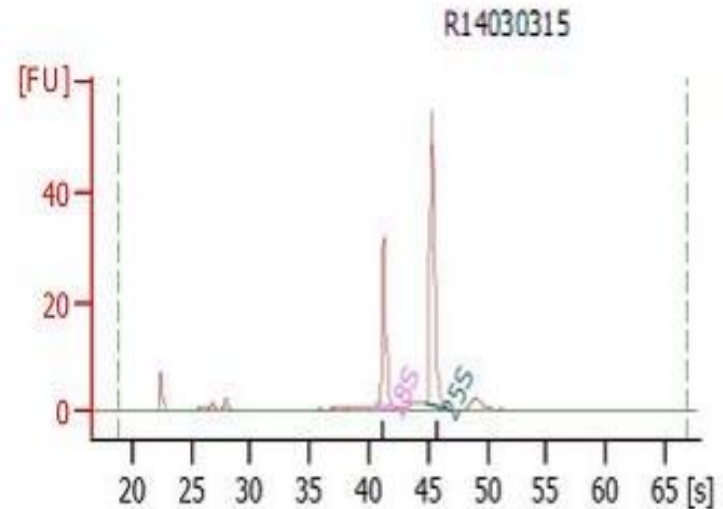
Overall Results for sample 10 : R14040063

RNA Area: 150.7
RNA Concentration: 135 ng/ μ l
rRNA Ratio [25s / 18s]: 2.1
RNA Integrity Number (RIN): 9.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.10

Fragment table for sample 10 : R14040063

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.61	43.08	27.3	18.1
25S	45.45	48.03	56.3	37.4

Sample: HP_M-2



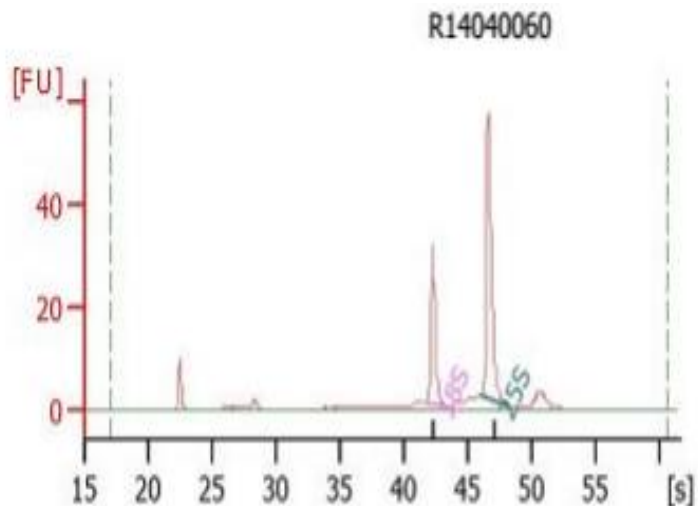
Overall Results for sample 7 : R14030315

RNA Area: 126.2
RNA Concentration: 77 ng/ μ l
rRNA Ratio [25s / 18s]: 2.1
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 7 : R14030315

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.54	42.04	25.5	20.2
25S	44.78	48.84	54.1	42.9

Sample: nHP_C-1



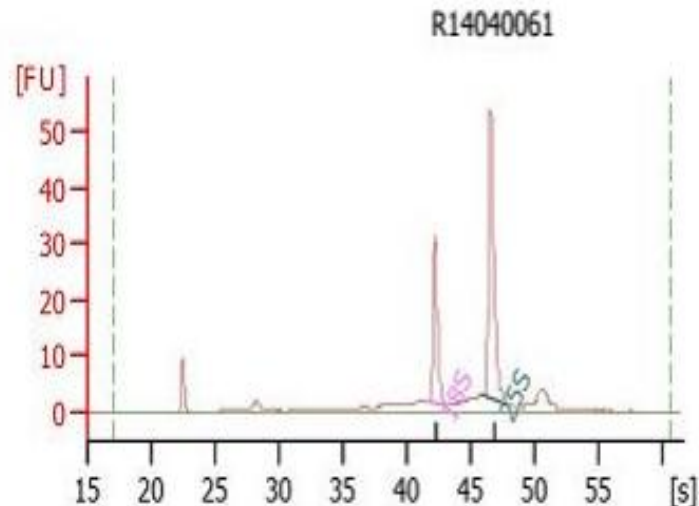
Overall Results for sample 7 : R14040060

RNA Area: 150.2
RNA Concentration: 135 ng/ μ l
rRNA Ratio [25s / 18s]: 2.0
RNA Integrity Number (RIN): 9.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.20

Fragment table for sample 7 : R14040060

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.66	43.20	27.4	18.2
25S	46.01	48.21	54.9	36.6

Sample: nHP_C-2



Overall Results for sample 8 : R14040061

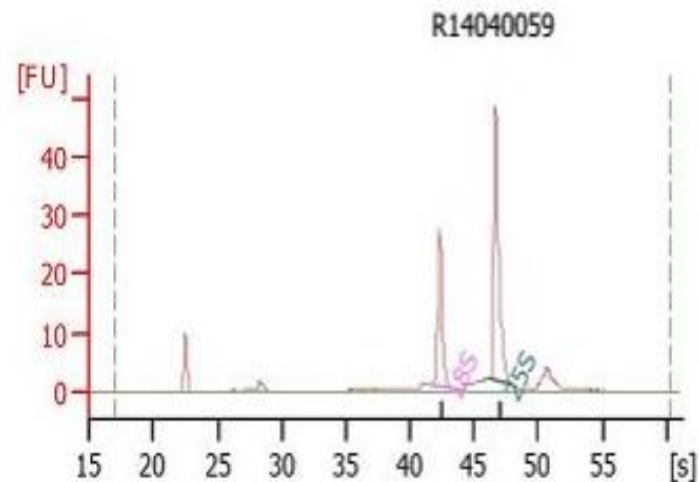
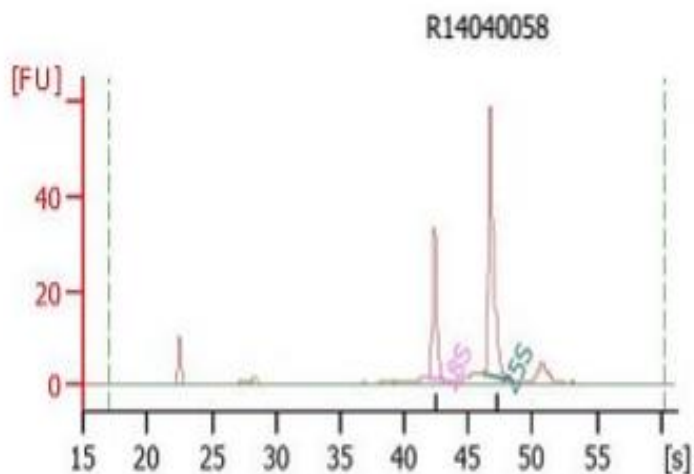
RNA Area: 154.5
RNA Concentration: 138 ng/ μ l
rRNA Ratio [25s / 18s]: 2.0
RNA Integrity Number (RIN): 8.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.90

Fragment table for sample 8 : R14040061

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.66	43.15	26.7	17.3
25S	45.92	47.90	52.2	33.8

Sample: nHP_M-1

Sample: nHP_M-2



Overall Results for sample 5 : **R14040058**

RNA Area: 139.9
RNA Concentration: 125 ng/ μ l
rRNA Ratio [25s / 18s]: 2.0
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 5 : **R14040058**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.77	43.25	28.1	20.1
25S	46.14	48.36	55.5	39.7

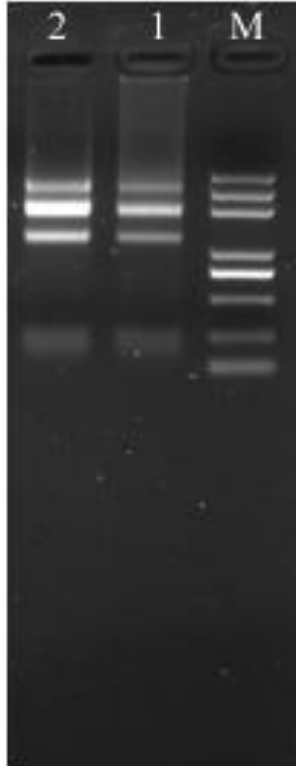
Overall Results for sample 6 : **R14040059**

RNA Area: 117.6
RNA Concentration: 105 ng/ μ l
rRNA Ratio [25s / 18s]: 1.9
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 6 : **R14040059**

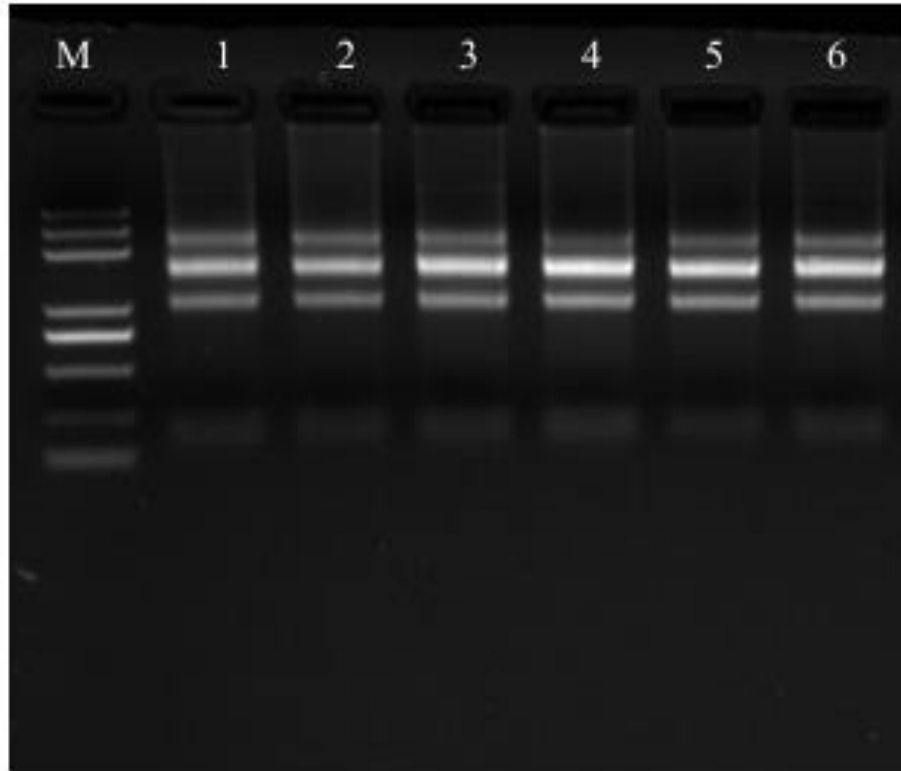
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.68	43.43	23.9	20.3
25S	46.14	48.06	45.5	38.7

Agarose gel electrophoresis test



Note: Lane M, Trans2KPlus Marker; Lane 1, HP_C-1; Lane 2, HP_M-1.

Agarose gel electrophoresis test



Note: Lane M, Trans2KPlus Marker; Lane 1, nHP_M-1; Lane 2, nHP_M-2; Lane 3, nHP_C-1; ; Lane 4, nHP_C-2; ; Lane 5, HP_C-2; ; Lane 6, HP_M-2.

Sample name	Sample ID	Concentration (ng/ μ L)	OD260/280	OD260/230	25S/18S	RNA integrity number (RIN)	Inspection
HP_C-1	R14040062	1220	2.279	0.366	2.0	9.5	Pass
HP_C-2	R140303 14	690.00	2.161	0.926	2.1	9.4	Pass
HP_M-1	R14040063	1984	2.238	0.563	2.1	9.1	Pass
HP_M-2	R140303 15	1540.00	2.167	2.172	2.1	9.6	Pass
nHP_M-1	R14040058	2074	1.945	1.087	2.0	9.6	Pass
nHP_M-2	R14040059	1848	1.929	0.857	1.9	9.6	Pass
nHP_C-1	R14040060	2198	1.882	0.646	2.0	9.2	Pass
nHP_C-2	R14040061	1562	2.189	0.263	2.0	8.9	Pass