qPCR Protocol

1) Dilute cDNA sample to 10^-3 with nuclease free water
2) Set up qPCR plate on cold plate
3) Pipet reaction into each well in order of: Master Mix → probes → cDNA

qPCR Reaction Mix Components → Simplex PCR setup for 20 uL reaction

Component	Volume (uL)/ Reaction
TaqMan Gene Expression Master Mix	10
Assay (probe)	1
Diluted cDNA	9
	20 uL

4) Seal the plate and spin down approximately 3 min at 1000-2000 rpm to get rid of bubbles
5) Run on thermocycler TaqMan program

Note: When choosing probes use

1. NSR1 = cold shock +
2. APL3 = housekeeping
3. NUP145 = housekeeping
4. RPB4 = housekeeping
5. Choose 1 experimental probe