

LncRNA *LUCAT1* as a novel prognostic biomarker for patients with papillary thyroid cancer.

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Supplementary Table 2: Knockdown of human *LUCAT1*: Silencing assays performed on all cell lines transfected at 24, 48 and 72 h with siRNA 1 and siRNA 2 at 5 and 20 μ m. *LUCAT1* expression levels were determined by qRT-PCR, using GAPDH as internal control. All reactions were performed in triplicate.

| BCPAP_24h | | | | | | | |
|-----------------------------------|-----------|----------------|------------------------------------|---|---------------------------|------------------|-----------------------|
| GAPDH | Ct | AVERAGE | $\Delta\Delta$Ct | 2exp-$\Delta\Delta$Ct | Silencing rate (%) | t student | Standard Error |
| si-NC | 16,2678 | 16,432375 | 0 | 1 | | | |
| siRNA1_5 μ M | 15,2809 | 15,71485 | 0 | 1 | | | |
| siRNA1_20 μ M | 15,762 | 15,80115 | 0 | 1 | | | |
| siRNA2_5 μ M | 16,02 | 15,875 | 0 | 1 | | | |
| siRNA2_20 μ M | 16,47 | 16,41 | 0 | 1 | | | |
| <i>LUCAT1</i> | | | | | | | |
| si-NC | 25,9255 | 25,517025 | 0 | 1 | | | 0 |
| siRNA1_5 μ M | 26,7512 | 26,631175 | 1,831675 | 0,280938256 | 71,91 | 0,021 | 0,140 |
| siRNA1_20μM | 28,8136 | 27,74805 | 2,86225 | 0,137523493 | 86,25 | 0,002 | 0,270 |
| siRNA2_5 μ M | 27,77 | 27,82 | 0,33 | 0,79 | 21,00 | | 0,049 |
| siRNA2_20 μ M | 27,19 | 26,7 | -0,25 | 1,19 | -19,00 | | 0,150 |
| TPC1_24h | | | | | | | |
| GAPDH | Ct | AVERAGE | $\Delta\Delta$Ct | 2exp-$\Delta\Delta$Ct | Silencing rate (%) | t student | Standard Error |
| si-NC | 18,354 | 18,35 | 0 | 1 | | | |
| siRNA1_5 μ M | 16,204 | 17,50 | 0 | 1 | | | |
| siRNA1_20 μ M | 16,167 | 16,26 | 0 | 1 | | | |
| siRNA2_5 μ M | 16,234 | 16,69 | 0 | 1 | | | |
| siRNA2_20 μ M | 17,499 | 17,38 | 0 | 1 | | | |
| <i>LUCAT1</i> | | | | | | | |
| si-NC | 29,097 | 29,0935 | 0 | 1 | | | 0 |
| siRNA1_5 μ M | 28,282 | 29,74725 | 1,54945 | 0,341640283 | 65,84 | 0,019 | 0,281 |
| siRNA1_20μM | 28,714 | 28,61825 | 1,6667 | 0,314972985 | 68,50 | 0,053 | 0,050 |

| | | | | | | | |
|----------------------|-----------|----------------|-------------|------------------|---------------------------|------------------|-----------------------|
| siRNA2_5μM | 28,097 | 28,67525 | 1,2927 | 0,408186394 | 59,18 | 0,069 | 0,090 |
| siRNA2_20μM | 29,613 | 28,27875 | 0,20745 | 0,866066674 | 13,39 | 0,224 | 0,215 |
| 8505c_24h | | | | | | | |
| <i>GAPDH</i> | Ct | AVERAGE | ΔΔCt | 2exp-ΔΔCt | Silencing rate (%) | t student | Standard Error |
| si-NC | 14,739 | 14,876 | 0 | 1 | | | |
| siRNA1_5μM | 14,645 | 14,505 | 0 | 1 | | | |
| siRNA1_20μM | 15,333 | 15,4635 | 0 | 1 | | | |
| siRNA2_5μM | 15,171 | 15,3535 | 0 | 1 | | | |
| siRNA2_20μM | 15,117 | 14,811 | 0 | 1 | | | |
| <i>LUCAT1</i> | | | | | | | |
| si-NC | 26,137 | 25,4605 | 0 | 1 | | | 0 |
| siRNA1_5μM | 28,767 | 28,2935 | 2,2455 | 0,210880851 | 85,97 | 0,048 | 0,25814349 |
| siRNA1_20μM | 28,295 | 28,578 | 2,64 | 0,160428237 | 88,50 | 0,025 | 0,28276974 |
| siRNA2_5μM | 28,605 | 27,75325 | 2,35775 | 0,195095175 | 79,60 | 0,022 | 0,23523688 |
| siRNA2_20μM | 29,5 | 28,01225 | 2,7015 | 0,153733129 | 83,00 | 0,042 | 0,26458592 |