

Supplemental Table 4: List of proteins that are down-regulated (FC<=3) upon HORAS5 knockdown in LNCaP cells

| Rank# | Protein names | Gene names | Fold Change siHORAS5/siNC C (normalized) |
|--------------|---|-------------------|---|
| 1 | Core-binding factor subunit beta | CBFB | 0.033616 |
| 2 | Vesicle-associated membrane protein 1 | VAMP1 | 0.1152 |
| 3 | DnaJ homolog subfamily C member 9 | DNAJC9 | 0.12095 |
| 4 | PCNA-associated factor | KIAA0101 | 0.18324 |
| 5 | High mobility group protein B2 | HMGB2 | 0.19629 |
| 6 | Protein CASC4 | CASC4 | 0.20482 |
| 7 | Short coiled-coil protein Frataxin, mitochondrial;Frataxin intermediate form;Frataxin(56- | SCOC | 0.21613 |
| 8 | 210);Frataxin(78-210);Frataxin mature form | FXN | 0.23828 |
| 9 | Reticulocalbin-1 | RCN1 | 0.2383 |
| 10 | Uncharacterized protein C1orf122 | C1orf122 | 0.24014 |
| 11 | Tumor protein D54 | TPD52L2 | 0.2617 |
| 12 | U6 snRNA-associated Sm-like protein LSm3 | LSM3 | 0.26658 |
| 13 | Translationally-controlled tumor protein | TPT1 | 0.2675 |
| 14 | Stathmin | STMN1 | 0.27899 |
| 15 | Periphilin-1 | PPHLN1 | 0.28428 |
| 16 | Putative monooxygenase p33MONOX | KIAA1191 | 0.28739 |
| 17 | Lysine-specific demethylase 5B | JARID1B;KDM5B | 0.29453 |
| 18 | Wiskott-Aldrich syndrome protein family member 2 Lamina-associated polypeptide 2, isoforms | WASF2 | 0.30279 |
| 19 | beta/gamma;Thymopoietin;Thymopentin | TMPO | 0.30282 |
| 20 | NFATC2-interacting protein | NFATC2IP | 0.30292 |
| 21 | Alpha-taxilin | TXLNA | 0.30377 |
| 22 | Eukaryotic translation initiation factor 4H | EIF4H | 0.30475 |
| 23 | Specifically androgen-regulated gene protein | SARG | 0.30749 |
| 24 | RNA polymerase-associated protein LEO1 | LEO1 | 0.31107 |
| 25 | Heme-binding protein 2 | HEBP2 | 0.31374 |
| 26 | Leucine-rich repeat flightless-interacting protein 1 | LRRFIP1 | 0.31449 |
| 27 | Chromatin assembly factor 1 subunit A | CHAF1A | 0.31898 |
| 28 | Translocon-associated protein subunit alpha | SSR1 | 0.3191 |
| 29 | Transcription cofactor vestigial-like protein 4 | VGLL4 | 0.32203 |
| 30 | Ubiquilin-4 | UBQLN4 | 0.32364 |
| 31 | Alpha-2-macroglobulin receptor-associated protein | LRPAP1 | 0.3255 |
| 32 | TATA element modulatory factor | TMF1 | 0.32578 |
| 33 | E3 ubiquitin-protein ligase RNF181 | RNF181 | 0.32802 |
| 34 | Cyclin-dependent kinase inhibitor 1 | CDKN1A | 0.32994 |