**Table 7**

The results of computing the value of CTPH and the editorial distance between hashes of the obfuscated
source code of athena software

| File number in the dataset | athena file hash values (128 byte) | athena file hash values (512 byte) | Editorial distance | Percentage of malware samples calculated using **scdeep** | Percentage of malware samples computed using convolutional neural networks | | | Percentage of malware samples computed using capsular neural network | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Training epoch | | | Training epoch | | |
| | | | | | I | II | III | I | II | III |
| 1. | e8aac6fdd2cf7efc2fbb 07feee87f2ce0eac6fbb | 0f76bcee6ec8827c2fbf ce76ccd8fee2cece68fc | 30 | 34 | 30 | 31 | 34 | 44 | 49 | 45 |
| 2. | 7ed8cc6cc08f0fc8bfe2 ecea8eecede07d0eecd6 | ef6222fbeeceaef02cec 270ddbcf67bfccd8aeec | 35 | 45 | 44 | 40 | 41 | 59 | 57 | 58 |
| 3. | 0ecd67fb7ecea8ac0ac f8fec22bef2a60e7e06c7 | bed8b76ace7cc0c6e66f dfca6cbe607087c6c7ef | 30 | 41 | 40 | 39 | 38 | 55 | 54 | 53 |
| 4. | 8c7deda0ecbf8fcfe60e baced27ee0bce7eec008 | fcec8c7bcdce0eeedfe0 c8ecb8d2c0ceebceeb6c | 31 | 38 | 29 | 24 | 28 | 30 | 30 | 34 |
| 5. | ebece77e6e68fedafcca cdfc87db708edeeffc00 | 87abdad7ff6e0f7ccb6 befb7cbcceccc0cf00eee | 33 | 57 | 59 | 52 | 57 | 34 | 38 | 31 |
| 6. | cdfec8a6fefecf8eeb8f 8e2edcdfeeccef7b7eb0 | ce2befe772ece6f2f8cc befcde7ecedf6e72a8fa | 31 | 22 | 31 | 37 | 38 | 64 | 68 | 67 |
| 7. | 76e0cceedbbd6aae6c0f 6ebfcbceffcb6eae2cfa | 88b277ea6e6ce60f08fc cbb8c8d8ceeedca2ecdc | 32 | 37 | 41 | 42 | 48 | 49 | 55 | 54 |
| 8. | 0ecbe2c7df76ce87eecff 2dea7fb8ce2d8a7ebea | eecccc8cebb2fccce7bf 2fac2eea668ebadf887d | 31 | 29 | 31 | 38 | 34 | 49 | 49 | 44 |
| 9. | ffcc6fedccbe7fecef8c b0ef6befddcedcbccbdf | e6cc7e8ade2f0fde2ea ce6ceed88a6c8edea8e | 31 | 37 | 40 | 41 | 40 | 54 | 52 | 56 |
| 10. | ed2ff202fcc6c6fccfee a7f76a0c0afe7cfd872a | ffcc6fedccbe7fecef8c b0ef6befddcedcbccbdf | 32 | 29 | 31 | 34 | 35 | 56 | 54 | 58 |
| 11. | ceccf0efa0caf8ec6b02 eef6fe6ecddccfc2cff8 | fa6ccefbed878ceaef8f cfed6ecdccc6cc2ac2d7 | 28 | 56 | 32 | 38 | 34 | 69 | 64 | 65 |
| 12. | 0ecc0feefcbcd60cccac 0b6c8beece7f82fca0dd | 2e7fb7e27cad827ef2cf efcf7c6c802768ce87cc | 34 | 37 | 41 | 42 | 46 | 65 | 67 | 68 |
| 13. | bf2edecefafeb7be707c edcc6722e60ce8cece0a | e0fe8deefbfeceef7c80 662bdc266cfbb0e8cee0 | 26 | 19 | 23 | 29 | 31 | 37 | 35 | 34 |
| 14. | ce6ebc7ce2b708f08dff f0df6efccfcce2fed8c2 | bcc0ae2cccf7e7ceecfea a808edee6e66e6fcefb | 34 | 22 | 29 | 28 | 26 | 34 | 38 | 34 |
| 15. | 6eabce2f826dcf0ab6fe f7ecacc2cecf8ceeccb7 | e6cc0ee8eee88ed22ccd cdf0f2bbbccee7eceace | 33 | 46 | 49 | 52 | 58 | 55 | 56 | 54 |
| 16. | 8bcfe8c2cceca62dd7cb ceca227cdccde26fff67 | de7aaececcaa87602d 2cfcf66c7e2d7eef7fffe | 30 | 48 | 59 | 54 | 57 | 64 | 66 | 67 |
| 17. | ae0ceabbeeeccefdece7 7c8cdfebae02cf76efc8 | abcbeefcc2cee6dedb6a bf8fffe8e67afabce6ce | 28 | 46 | 44 | 48 | 48 | 59 | 61 | 65 |
| 18. | d0c7cabcf7ee2cf022ec cff8efc2ebfc28c0cd06 | c6e06c7aeacfeeeee8ed acab2fefa7f6fcfbe7fc | 31 | 27 | 34 | 35 | 37 | 49 | 53 | 56 |
| 19. | c2fbcbb20caccfaa7bcc ecafccc6fcecc7b7ff8f | 2fbea7fffe0efe8edccf 6ac27ccc7cbcb76fbd7f | 28 | 31 | 37 | 39 | 42 | 52 | 59 | 55 |
| 20. | 7fd60effc6f2088e2668 c7d020dec0dcaf7cc7ea | bfcecd7cfe2bceee660d 2067ebeeafcecf07ff2c | 32 | 57 | 64 | 68 | 62 | 79 | 86 | 85 |