The results of computing the value of mean shift between hashes of the obfuscated and
source code malware

| File number in the dataset | Source code hash values | Obfuscated source code hash values | Percentage of malware samples computed using only convolutional neural networks | | | Percentage of malware samples computed using mean shift method in convolutional neural networks | | |
|---|---|---|---|---|---|---|---|---|
| | | | Training epoch | | | Training epoch | | |
| | | | I | II | III | I | II | III |
| 1. | f9f558f87750f9cc969c905ad68c9cc5f6ad5500 | 5f7fff50ff86cc06577c500cc97f69c0c7c50adc | 38 | 39 | 37 | 30 | 31 | 32 |
| 2. | 554775757c9586cc57ffad8c0c078f5f00f907ff | 087cadff6f7f00ff5f5cff678f5adf5c05fcadad | 44 | 46 | 49 | 32 | 30 | 31 |
| 3. | c86c9adf8675fffcadf76fc556595f557f895cc6 | 7c8505c6adc5adff08555f97f5c9c5ccc95855c5 | 38 | 41 | 45 | 30 | 32 | 33 |
| 4. | fc7adad785cc005c5787f57558f757fcc5c95555 | 78f595c0fc5ffad5f875cadc09cc7c675f59c5f6 | 42 | 45 | 46 | 30 | 33 | 35 |
| 5. | 8ff7adc67f56f95fc7ff5755f7fc67f850c59fc8 | fc5adfc7558c956c7f5759f5fad76fc9f05ad7cc | 37 | 39 | 35 | 23 | 24 | 26 |
| 6. | cc990c550fc50c5ff0ccc778547ff547fad5f9f5 | fadf9695c8f85cc7c557c55ad9c55fffad0c6f85 | 31 | 32 | 33 | 27 | 28 | 26 |
| 7. | f7f7adfcc08fccc6f985c0595f9c5f75f0f5fc6c | f7fc95ad5fc65fc585fc557c7f9f9f7fff0fcadf | 44 | 49 | 48 | 30 | 31 | 32 |
| 8. | 95ff06ff6567f59555ad5ad57adf9c9c085f0650 | f7fc95ad5fc65fc585fc557c7f9f9f7fff0fcadf | 46 | 48 | 49 | 30 | 31 | 35 |
| 9. | 5f55c656c8cadc566ad508855f57ad5f98c0f55f | f5cc09f85f55ad54ffc75f9c5c0cc565fad79797 | 49 | 51 | 52 | 30 | 35 | 34 |
| 10. | 5fc9f05ff58f68967855f5c755f56f007fc5ff89 | f7f565ff5fad5f55c0995c0c78657c555ff5f57f | 39 | 38 | 41 | 30 | 34 | 35 |
| 11. | 95f56adadc7c8550fff8ffc575976ff6f558ff75 | f7f565ff5fad5f55c0995c0c78657c555ff5ffff | 42 | 46 | 44 | 30 | 32 | 31 |
| 12. | f5c5ad9ccccc9fc5cc9c0559fc6adff85fff75fc | 5776850cadf55f67ad058f5f7c7cc5fff58098f5 | 48 | 45 | 46 | 32 | 34 | 35 |
| 13. | 757975c85c79ad5f5f67c55f008f85f955f89f09 | 597f76c6cc757f05ff885995c77f5f880587fc78 | 49 | 51 | 56 | 30 | 32 | 34 |
| 14. | 58980f8c0fc85f855c56f06f958589557ad54ff9 | c6ad059850f66c558f8ffc55f5c57555f850ff97 | 39 | 38 | 37 | 46 | 48 | 49 |
| 15. | c975776578f755c5505ccc8c55fff7f7ff778c50 | 7fc0cc0f5ff8c767ffc7f0f5f75c79adff605c95 | 46 | 45 | 43 | 35 | 32 | 33 |
| 16. | 05f66950f08fc7fad0ccf79f8ad8769c0cc56c09 | 5ad88f7cccad590ff98775f55ff8cad677c7ff0f | 49 | 48 | 46 | 30 | 34 | 36 |
| 17. | 67f5fc69ff60f995c776955f50cc0c8f59cc79f0 | ff9c6f059f7c9c7c7c6fc07f7f7f87fc6f55f55f | 49 | 55 | 58 | 44 | 42 | 40 |
| 18. | f46adf02558775c5f7ad0adc8adf555955adf085 | 877c65f5c505fc558ccc7f887cc65f554fc50fc0 | 56 | 61 | 61 | 44 | 45 | 43 |
| 19. | 5c0adc54f7f075c50f7f65ad5c5c56ad78c5787c | f8fc777c7959c8f5f56f7cc55f97c0599f57595c | 38 | 39 | 33 | 27 | 29 | 28 |
| 20. | c0f5c575ffad97c7ad9c08955f7ff5c769506f555 | 878f59fccc9556c588f6865c56c756c9c9f0c8fc | 42 | 46 | 48 | 35 | 34 | 36 |