











































































| U                             | etails ab       | out the sy        | nthesize             | d AES c       | ore                |   |
|-------------------------------|-----------------|-------------------|----------------------|---------------|--------------------|---|
| No. of inputs                 |                 |                   | 69                   |               |                    |   |
| No. of outputs                |                 |                   | 33                   | 33            |                    |   |
| No. of sequential elements    |                 |                   | 9225                 |               |                    |   |
| No. of combinational elements |                 |                   | 1119                 |               |                    |   |
| No. of stuck-at faults        |                 |                   | 64070                |               |                    |   |
|                               |                 |                   | sults                |               |                    | _ |
|                               | Size<br>(bytes) | Fault<br>coverage | Original<br>coverage | No. of cycles | Original<br>cycles |   |
| Test1                         | 7808            | 90.01             | 90.26                | 6700          | 6373               |   |
|                               | 0.4.00          | 90.15             | 90.35                | 7816          | 7435               |   |
| Test2                         | 9128            | 00.10             |                      |               |                    |   |

