**Question 1**

|  |  |
| --- | --- |
| **Sample** | **Control/Treated** |
| Sample 1 | Control |
| Sample 2 | Control |
| Sample 3 | Control? |
| Sample 4 | Control |
| Sample 5 | Control |
| Sample 6 | Control |
| Sample 7 | Control |
| Sample 8 | Control |
| Sample 9 | Treated |
| Sample 10 | Treated |
| Sample 11 | Treated |
| Sample 12 | Treated |
| Sample 13 | Treated |
| Sample 14 | Treated |
| Sample 15 | Treated |
| Sample 16 | Treated |

**Question 2**

Sample 3 is likely to be a control but does have 1 AsiSI break.

**Question 3**

It is likely the 1 AsiSI break occurred by chance at the same location as a where the AsiSI restriction enzyme cuts.

**Question 4**

Sample 11 has the highest percentage of AsiSI breaks.