|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SEQ920175 | - | A | A | C | C | C | A | T | C | T | **C** | T | C | A | A | A | A | G | T | C | G | A | A | T | C | T | C | T | A | T | C | A | C | T | C | G | A | G | A | C | A | - | 200 |
| SEQ525409 | - | A | A | C | C | C | A | T | C | T | **A** | T | C | A | A | A | A | G | T | C | G | A | A | T | C | T | C | T | A | T | C | A | C | T | C | G | A | G | A | C | A | - | 200 |
| SEQ234967 | - | A | A | C | C | C | A | T | C | T | **C** | T | C | A | A | A | A | G | T | C | G | A | A | T | C | T | C | T | A | T | C | A | C | T | C | G | A | G | A | C | A | - | 200 |
| SEQ101101 | - | A | A | C | C | C | A | T | C | T | **C** | T | C | A | A | A | A | G | T | C | G | A | A | T | C | T | C | T | A | T | C | A | C | T | C | G | A | G | A | C | A | - | 200 |
| SEQ97990 | - | A | A | C | C | C | A | T | C | T | **C** | T | C | A | A | A | A | G | T | C | G | A | A | T | C | T | C | T | A | T | C | A | C | T | C | G | A | G | A | C | A | - | 200 |
| SEQ93940 | - | A | A | C | C | C | A | T | C | T | **C** | T | C | A | A | A | A | G | T | C | G | A | A | T | C | T | C | T | A | T | C | A | C | T | C | G | A | G | A | C | A | - | 200 |
| SEQ17575 | - | A | A | C | C | C | A | T | C | T | **C** | T | C | A | A | A | A | G | T | C | G | A | A | T | C | T | C | T | A | T | C | A | C | T | C | G | A | G | A | C | A | - | 200 |
| SEQ170844 | - | A | A | C | C | C | A | T | C | T | **C** | T | C | A | A | A | A | G | T | C | G | A | A | T | C | T | C | T | A | T | C | A | C | T | C | G | A | G | A | C | A | - | 200 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SEQ920175 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | C | C | - | 240 |
| SEQ525409 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ234967 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ101101 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ97990 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | C | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ93940 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ17575 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ170844 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SEQ920175 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | **C** | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ525409 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ234967 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | **A** | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ101101 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | **T** | C | A | C | A | G | C | C | A | C | A | T |
| SEQ97990 | - | **C** | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ93940 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | **G** | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ17575 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | **A** | A | C | A | T |
| SEQ170844 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SEQ920175 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | N | C | - | 240 |
| SEQ525409 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ234967 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ101101 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ97990 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | N | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ93940 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ17575 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |
| SEQ170844 | - | C | A | T | C | C | A | A | G | A | A | C | C | A | G | T | T | C | T | T | C | C | T | G | C | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | - | 240 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SEQ920175 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | **N** | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ525409 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ234967 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | **N** | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ101101 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | **N** | C | A | C | A | G | C | C | A | C | A | T |
| SEQ97990 | - | **N** | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ93940 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | **N** | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |
| SEQ17575 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | **N** | A | C | A | T |
| SEQ170844 | - | A | G | T | T | G | A | A | T | T | C | T | G | T | G | A | C | T | A | C | T | G | A | G | G | A | C | A | C | A | G | C | C | A | C | A | T |