

DiscreteDomain

```
classDiagram
    class DiscreteDomain {
    }
    class GQCP_RMullikenDomain["GQCP::RMullikenDomain"] {
        <_Scalar>
        + partitionMatrix()
        + projectionMatrix()
    }
    GQCP_RMullikenDomain --|> DiscreteDomain
```

The diagram illustrates a class hierarchy. At the top is the 'DiscreteDomain' class, represented by a white box with a black border, divided into three horizontal sections. The top section contains the class name. Below it is the 'GQCP::RMullikenDomain' class, represented by a gray box with a black border, also divided into three horizontal sections. The top section contains the class name and a template parameter '<_Scalar>'. The bottom section contains two public methods: '+ partitionMatrix()' and '+ projectionMatrix()'. A blue arrow with a hollow triangular head points from the top of the 'GQCP::RMullikenDomain' box to the bottom of the 'DiscreteDomain' box, indicating that 'GQCP::RMullikenDomain' inherits from 'DiscreteDomain'.

GQCP::RMullikenDomain
<_Scalar>

+ partitionMatrix()
+ projectionMatrix()