

# Free Genes Twist Order 8

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## 1 *Pyrocystis lunula* luciferase catalytic domain

This is a collection contains a dinoflagellate luciferase catalytic domain and several chlorophyll degradation genes.

### 1.1 Author

Corey Howe,coreyhowe99@gmail.com

## 2 *Homo sapiens* SORL1

A collection of poorly understood Alzheimer's associated proteins.

### 2.1 Author

Alvin Huang,alvinhuang@stanford.edu

## 3 Sapovirus RdRp

RdRp E. coli optimized from Sapovirus

### 3.1 Author

Joshua Yang,joshua@jhu.edu

## 4 *trpE*<sup>S40F</sup>\_Eco<sup>opt</sup>

Variety of aminobenzote alleles.

### 4.1 Author

Nils Aversch,nils.j.aversch@nasa.gov

## **5 Homo sapiens LRP8**

A collection of poorly understood Alzheimer's associated proteins.

### **5.1 Author**

Alvin Huang,alvinhuang@stanford.edu

## **6 Raphanus sativus pheophorbide**

This is a collection contains a dinoflagellate luciferase catalytic domain and several chlorophyll degradation genes.

### **6.1 Author**

Corey Howe,coreyhowe99@gmail.com

## **7 Chlorobium vibrioforme C-20 methyltransferase**

This is a collection contains a dinoflagellate luciferase catalytic domain and several chlorophyll degradation genes.

### **7.1 Author**

Corey Howe,coreyhowe99@gmail.com

## **8 pctV\_Spa^opt**

Variety of aminobenzote alleles.

### **8.1 Author**

Nils Aversch,nils.j.aversch@nasa.gov

## **9 pctV\_Sni^opt**

Variety of aminobenzote alleles.

### **9.1 Author**

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## **10    pctV\_\_Sgr^opt**

Variety of aminobenzote alleles.

### **10.1    Author**

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## **11    pctV\_\_Sac^opt**

Variety of aminobenzote alleles.

### **11.1    Author**

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## **12    Chlorobium tepidum demethoxycarbonylase**

This is a collection contains a dinoflagellate luciferase catalytic domain and several chlorophyll degradation genes.

### **12.1    Author**

Corey Howe,coreyhowe99@gmail.com

## **13    K1-5 RNA polymerase**

The K1-5 RNA polymease. Orthogonal from T7 RNA polymerase. Contributed to public domain.

### **13.1    Author**

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