

## Biobricks list

BioBrick	Function
GFP	Produce green fluorescence
RFP	Produce red fluorescence
YFP	Produce yellow fluorescence
BFP	Produce blue fluorescence
LucV	Produce green light
LucR	Produce red light
LucA	Produce blue light
O3P	Produce ozone
Met	Take of heavy metals
CO2A	Take of carbon dioxide
Lov-Tap	Activate or turn off a gen through blue light
Cph8	Activate or turn off a gen through red light
CcaR/S	Activate or turn off a gen through green light
ArsR	Activate or turn off a gen through arsenic
COR	Activate or turn off a gen through carbon monoxide
CO2R	Activate or turn off a gen through carbon dioxide
Si-Tag	Union of the bacteria to the silica surface.
Lacl	Activate or turn off a gen through sugar.
aisPAI	Send a signal to other bacteria
LasR	Receive the signal of aisPAI
MinC	Stop the cellular growth
ccdB	Kill the cell when it activates.
LBP	Take the lead
Gvp	Formation of air bubbles inside the bacteria
aspA	Attract other bacterias
tntR1	Activate or turn off a gen through the TNT explosive.
BDH	Produce butanol fuel
SndS*	Produce a sound when it is activated
SndR*	Activate or turn off a gen through sound.
MntR	Activate or turn off a gen through the heavy metal cadmium
ROSE	Activate a gen with high temperatures
UCP1	Generates heat
ATF1	Produces a banana smell
Col1	Production of a toxin for bacteria
RCI1	Resistance to the toxin Col1
Mov1	Movement through light
Mov2	Movement in opposite direction to the light
ElePR	Production in few quantities of electric energy
ImanT	Attraction by magnets.

AntFree	Resistance to very low temperatures
AntVir:	Detection for virus infection
CapsL	Resistant encapsulation to acids of the bacteria
FarmC	Production of antibiotics
LacD	Degradation of lactose
FreezA	Activation of a gen in low temperatures
GluC	Attraction to sugars
AlcH	Production of alcohol
OilD	Degradation of fuel
GluTrans	Conversion of sugars to fuel
HeaTR	Resistance to high temperatures
OxiR	Survive in places without oxygen
PascR	Resitance to high pressures
HundM	Production of heavy particles for the sinking of the bacteria
MessT	Signal to activate a gen in other bacteria
CicC	Stop the celullar reproduction
BubbL	Production of bubbles for floating
ElecT	Activate or turn off a gen through electric impulse