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| --- | --- | --- | --- | --- |
| Level | New category | Number (and names) of parts in new category | The order of parts to come | The winning combo |
| 1 | anti-biotic resistance genes | 3  (“AmpR”, “ChlR” and “KanR) | N/A | “AmpR” |
| 2 | Promoters | 3  (“High exp”, “Medium exp”, and “Low exp” | N/A | “Low exp” |
|  | Terminator | - | - | - |
| 3 | Coding sequences | 3  (“β-galactosidase”, “BFP”, and “GFP” | N/A | “β-galactosidase” |
| 4 | Two categories (operators AND repressors) | 3 operators  (“tetO”, “-----” and “lacO”)  3 repressors  (“lacI”, “c1 rep”, and “c2 rep”) | Operators 🡪 repressor | “lacO” + “lacI” |
| 5 | Activators | 3 activators  (“VP16”, “ToxR”, and “appY”) | N/A | “appY” |

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| Level | Available Categories | The order of parts to come | The winning combo |
| 6 | Promoters and coding sequence | Promoter 🡪 c.s. | “high exp” + “BFP” |
| 7 | Promoters and operators and repressors | Operator 🡪 promoter 🡪 repressor | “lacO” + “High” + “lacI” |