# Layout Editor Test Configurations

## Overview

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Description** | **Layout Rules** | **Erase Only** | **Rack Mode** |
| 0 | 12x8, 6 standards, 1 blank, 40 unknowns (all duplicate) | At least 2 standard groups  1 blank group | False | False |
| 1 | 12x8, 5 standards, 1 blank, 1 TA, 1 B0, 1 NSB, 39 Unknowns (all duplicate) | (Refer to JSON) | False | False |
| 2 | 12x8, 6 Blank (duplicate), 1 Pos Control (triplicate), 1 Neg Control (triplicate), 13 Unknowns (6 replicates) | (Refer to JSON) | True | False |
| 3 | 16x24 layout | (Refer to JSON) | True | False |
| 4 | 3x4 layout | (Refer to JSON) | True | False |
| 5 | 12x8 layout, 6 standards, 1 blank, 1 control, 40 Unknown1:10, 40 Unknown 1:200 | (Refer to JSON) | False | False |

## JSON

|  |  |  |
| --- | --- | --- |
| **No.** | **JSON** | **Expected Visualisation:** |
| 0 | {"Default":"2,1,2,1,5,2,5,2,5,10,5,10,5,18,5,18,5,26,5,26,5,34,5,34,2,2,2,2,5,3,5,3,5,11,5,11,5,19,5,19,5,27,5,27,5,35,5,35,2,3,2,3,5,4,5,4,5,12,5,12,5,20,5,20,5,28,5,28,5,36,5,36,2,4,2,4,5,5,5,5,5,13,5,13,5,21,5,21,5,29,5,29,5,37,5,37,2,5,2,5,5,6,5,6,5,14,5,14,5,22,5,22,5,30,5,30,5,38,5,38,2,6,2,6,5,7,5,7,5,15,5,15,5,23,5,23,5,31,5,31,5,39,5,39,3,1,3,1,5,8,5,8,5,16,5,16,5,24,5,24,5,32,5,32,5,40,5,40,5,1,5,1,5,9,5,9,5,17,5,17,5,25,5,25,5,33,5,33,5,41,5,41","EraseOnly":false,"Height":8,"RackMode":false,"Rules":[{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":3},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":4,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":2}],"SampleTypes":[{"Colour":"White","Id":1,"Name":"Unused"},{"Colour":"Red","Id":2,"Name":"Standard"},{"Colour":"Yellow","Id":3,"Name":"Blank"},{"Colour":"Lime","Id":5,"Name":"Unknown"}],"Width":12}" |  |
| 1 | "{"Default":"3,1,2,1,2,5,5,4,5,8,5,12,5,16,5,20,5,24,5,28,5,32,5,36,3,1,2,1,2,5,5,4,5,8,5,12,5,16,5,20,5,24,5,28,5,32,5,36,26,1,2,2,5,1,5,5,5,9,5,13,5,17,5,21,5,25,5,29,5,33,5,37,26,1,2,2,5,1,5,5,5,9,5,13,5,17,5,21,5,25,5,29,5,33,5,37,25,1,2,3,5,2,5,6,5,10,5,14,5,18,5,22,5,26,5,30,5,34,5,38,25,1,2,3,5,2,5,6,5,10,5,14,5,18,5,22,5,26,5,30,5,34,5,38,24,1,2,4,5,3,5,7,5,11,5,15,5,19,5,23,5,27,5,31,5,35,5,39,24,1,2,4,5,3,5,7,5,11,5,15,5,19,5,23,5,27,5,31,5,35,5,39","EraseOnly":false,"Height":8,"RackMode":false,"Rules":[{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":1,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":5},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":5,"NumReplicates":0,"TypeId":2},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":3},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":24},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":25},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":26}],"SampleTypes":[{"Colour":"White","Id":1,"Name":"Unused"},{"Colour":"Red","Id":2,"Name":"Standard"},{"Colour":"Yellow","Id":3,"Name":"Blank"},{"Colour":"#FFD080","Id":24,"Name":"B0"},{"Colour":"#FF80FF","Id":25,"Name":"NSB"},{"Colour":"#9E8010","Id":26,"Name":"TA"},{"Colour":"Lime","Id":5,"Name":"Unknown"}],"Width":12}" |  |
| 2 | "{"Default":"8,1,8,1,8,1,7,1,7,1,7,1,5,6,5,6,5,6,5,6,5,6,5,6,3,1,3,2,3,3,3,4,3,5,3,6,5,7,5,7,5,7,5,7,5,7,5,7,3,1,3,2,3,3,3,4,3,5,3,6,5,8,5,8,5,8,5,8,5,8,5,8,5,1,5,1,5,1,5,1,5,1,5,1,5,9,5,9,5,9,5,9,5,9,5,9,5,2,5,2,5,2,5,2,5,2,5,2,5,10,5,10,5,10,5,10,5,10,5,10,5,3,5,3,5,3,5,3,5,3,5,3,5,11,5,11,5,11,5,11,5,11,5,11,5,4,5,4,5,4,5,4,5,4,5,4,5,12,5,12,5,12,5,12,5,12,5,12,5,5,5,5,5,5,5,5,5,5,5,5,5,13,5,13,5,13,5,13,5,13,5,13","EraseOnly":true,"Height":8,"RackMode":false,"Rules":[{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":6,"NumReplicates":0,"TypeId":3},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":7},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":8},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":1,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":5}],"SampleTypes":[{"Colour":"White","Id":1,"Name":"Unused"},{"Colour":"Yellow","Id":3,"Name":"Blank"},{"Colour":"#7DFFFF","Id":7,"Name":"Pos Control"},{"Colour":"#FEFCCF","Id":8,"Name":"Neg Control"},{"Colour":"Lime","Id":5,"Name":"Unknown"}],"Width":12}" |  |
| 3 | "{"Default":"8,1,8,1,8,1,7,1,7,1,7,1,5,6,5,6,5,6,5,6,5,6,5,6,3,1,3,2,3,3,3,4,3,5,3,6,5,7,5,7,5,7,5,7,5,7,5,7,3,1,3,2,3,3,3,4,3,5,3,6,5,8,5,8,5,8,5,8,5,8,5,8,5,1,5,1,5,1,5,1,5,1,5,1,5,9,5,9,5,9,5,9,5,9,5,9,5,2,5,2,5,2,5,2,5,2,5,2,5,10,5,10,5,10,5,10,5,10,5,10,5,3,5,3,5,3,5,3,5,3,5,3,5,11,5,11,5,11,5,11,5,11,5,11,5,4,5,4,5,4,5,4,5,4,5,4,5,12,5,12,5,12,5,12,5,12,5,12,5,5,5,5,5,5,5,5,5,5,5,5,5,13,5,13,5,13,5,13,5,13,5,13,8,1,8,1,8,1,7,1,7,1,7,1,5,6,5,6,5,6,5,6,5,6,5,6,3,1,3,2,3,3,3,4,3,5,3,6,5,7,5,7,5,7,5,7,5,7,5,7,3,1,3,2,3,3,3,4,3,5,3,6,5,8,5,8,5,8,5,8,5,8,5,8,5,1,5,1,5,1,5,1,5,1,5,1,5,9,5,9,5,9,5,9,5,9,5,9,5,2,5,2,5,2,5,2,5,2,5,2,5,10,5,10,5,10,5,10,5,10,5,10,5,3,5,3,5,3,5,3,5,3,5,3,5,11,5,11,5,11,5,11,5,11,5,11,5,4,5,4,5,4,5,4,5,4,5,4,5,12,5,12,5,12,5,12,5,12,5,12,5,5,5,5,5,5,5,5,5,5,5,5,5,13,5,13,5,13,5,13,5,13,5,13,8,1,8,1,8,1,7,1,7,1,7,1,5,6,5,6,5,6,5,6,5,6,5,6,3,1,3,2,3,3,3,4,3,5,3,6,5,7,5,7,5,7,5,7,5,7,5,7,3,1,3,2,3,3,3,4,3,5,3,6,5,8,5,8,5,8,5,8,5,8,5,8,5,1,5,1,5,1,5,1,5,1,5,1,5,9,5,9,5,9,5,9,5,9,5,9,5,2,5,2,5,2,5,2,5,2,5,2,5,10,5,10,5,10,5,10,5,10,5,10,5,3,5,3,5,3,5,3,5,3,5,3,5,11,5,11,5,11,5,11,5,11,5,11,5,4,5,4,5,4,5,4,5,4,5,4,5,12,5,12,5,12,5,12,5,12,5,12,5,5,5,5,5,5,5,5,5,5,5,5,5,13,5,13,5,13,5,13,5,13,5,13,8,1,8,1,8,1,7,1,7,1,7,1,5,6,5,6,5,6,5,6,5,6,5,6,3,1,3,2,3,3,3,4,3,5,3,6,5,7,5,7,5,7,5,7,5,7,5,7,3,1,3,2,3,3,3,4,3,5,3,6,5,8,5,8,5,8,5,8,5,8,5,8,5,1,5,1,5,1,5,1,5,1,5,1,5,9,5,9,5,9,5,9,5,9,5,9,5,2,5,2,5,2,5,2,5,2,5,2,5,10,5,10,5,10,5,10,5,10,5,10,5,3,5,3,5,3,5,3,5,3,5,3,5,11,5,11,5,11,5,11,5,11,5,11,5,4,5,4,5,4,5,4,5,4,5,4,5,12,5,12,5,12,5,12,5,12,5,12,5,5,5,5,5,5,5,5,5,5,5,5,5,13,5,13,5,13,5,13,5,13,5,13","EraseOnly":true,"Height":16,"RackMode":false,"Rules":[{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":6,"NumReplicates":0,"TypeId":3},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":7},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":8},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":1,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":5}],"SampleTypes":[{"Colour":"White","Id":1,"Name":"Unused"},{"Colour":"Yellow","Id":3,"Name":"Blank"},{"Colour":"#7DFFFF","Id":7,"Name":"Pos Control"},{"Colour":"#FEFCCF","Id":8,"Name":"Neg Control"},{"Colour":"Lime","Id":5,"Name":"Unknown"}],"Width":24}" | (No graphic provided) |
| 4 | "{"Default":"8,1,8,1,8,1,7,1,7,1,7,1,5,6,5,6,5,6,5,6,5,6,5,6","EraseOnly":true,"Height":3,"RackMode":false,"Rules":[{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":6,"NumReplicates":0,"TypeId":3},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":7},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":8},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MinNumGroups":1,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":5}],"SampleTypes":[{"Colour":"White","Id":1,"Name":"Unused"},{"Colour":"Yellow","Id":3,"Name":"Blank"},{"Colour":"#7DFFFF","Id":7,"Name":"Pos Control"},{"Colour":"#FEFCCF","Id":8,"Name":"Neg Control"},{"Colour":"Lime","Id":5,"Name":"Unknown"}],"Width":4}" | (No graphic provided) |
| 5 | {"Default":"2,1,2,1,110,1,110,5,110,9,110,13,110,17,110,21,110,25,110,29,110,33,110,37,2,2,2,2,111,1,111,5,111,9,111,13,111,17,111,21,111,25,111,29,111,33,111,37,2,3,2,3,110,2,110,6,110,10,110,14,110,18,110,22,110,26,110,30,110,34,110,38,2,4,2,4,111,2,111,6,111,10,111,14,111,18,111,22,111,26,111,30,111,34,111,38,2,5,2,5,110,3,110,7,110,11,110,15,110,19,110,23,110,27,110,31,110,35,110,39,2,6,2,6,111,3,111,7,111,11,111,15,111,19,111,23,111,27,111,31,111,35,111,39,7,1,7,1,110,4,110,8,110,12,110,16,110,20,110,24,110,28,110,32,110,36,110,40,8,1,8,1,111,4,111,8,111,12,111,16,111,20,111,24,111,28,111,32,111,36,111,40","EraseOnly":false,"Height":8,"RackMode":false,"Rules":[{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MergeGroupsWithType":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":6,"NumReplicates":0,"TypeId":2},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":2,"MergeGroupsWithType":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":2},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MergeGroupsWithType":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":7},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":2,"MergeGroupsWithType":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":7},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MergeGroupsWithType":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":1,"NumReplicates":0,"TypeId":8},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":2,"MergeGroupsWithType":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":8},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":2,"MergeGroupsWithType":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":110},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":2,"MergeGroupsWithType":0,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":111},{"AllGroupsSameReplicates":false,"Description":null,"MatchGroupsInTypeId":0,"MaxNumGroups":0,"MaxNumReplicates":0,"MergeGroupsWithType":111,"MinNumGroups":0,"MinNumReplicates":0,"NumGroups":0,"NumReplicates":0,"TypeId":110}],"SampleTypes":[{"Colour":"White","Id":1,"Name":"Unused"},{"Colour":"Red","Id":2,"Name":"ADL CAL"},{"Colour":"Cyan","Id":7,"Name":"PC"},{"Colour":"Yellow","Id":8,"Name":"NC"},{"Colour":"#00c000","Id":110,"Name":"Unknown 1:10"},{"Colour":"#c0ffc0","Id":111,"Name":"Unknown 1:200"}],"Width":12} |  |