**Supplementary Table: 2: LI modules**

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| --- | --- | --- |
| **Label** | **Name** | **Origin / Comment** |
| **Promoters** |  |  |
| G007 | LI A-B pUbi | *L. japonicus* polyubiquitin promoter [[1](#_ENREF_1)] |
| G005 | LI A-B p35S | cauliflower mosaic virus 35S promoter [[2](#_ENREF_2)] |
| G009 | LI A-C p35S | cauliflower mosaic virus 35S promoter [[2](#_ENREF_2)] |
| G080 | LI A-B pNOS | nopaline synthase promoter [[3](#_ENREF_3)] |
| G052 | LI A-B pEF1 | promoter region of *A. thaliana EF1*α1 /AT1G07940.1; this work |
|  |  |  |
| **Fluorescent tags and markers** | |  |
| G028 | LI B-C GFP | sGFP + 16 aa GS linker [[4](#_ENREF_4)] |
| G029 | LI B-C YFP | YFP-Venus + 16 aa GS linker [[5](#_ENREF_5)] |
| G030 | LI B-C T-Saphire | T-saphhire + 16 aa GS linker [[6](#_ENREF_6)] |
| G031 | LI B-C Cerulean | CFP-Cerulean + 16 aa GS linker [[7](#_ENREF_7)] |
| G032 | LI B-C mCherry | mCherry + 16 aa GS linker [[8](#_ENREF_8)] |
| G033 | LI B-C mOrange | mOrange + 16 aa GS linker [[8](#_ENREF_8)] |
| G019 | LI C-D GFP | sGFP [[4](#_ENREF_4)] |
| G020 | LI C-D YFP | YFP Venus [[5](#_ENREF_5)] |
| G021 | LI C-D T-Sapphire | T-saphhire [[6](#_ENREF_6)] |
| G022 | LI C-D Cerulean | CFP Cerulean [[7](#_ENREF_7)] |
| G023 | LI C-D mCherry | mCherry [[8](#_ENREF_8)] |
| G024 | LI C-D mOrange | mOrange [[8](#_ENREF_8)] |
|  |  |  |
| G053 | LI C-D GFP noATG | sGFP without Start codon [[4](#_ENREF_4)] |
| G054 | LI C-D YFP noATG | YFP Venus without Start codon [[5](#_ENREF_5)] |
| G055 | LI C-D T-Sapphire noATG | T-saphhire without Start codon [[6](#_ENREF_6)] |
| G056 | LI C-D Cerulean noATG | CFP Cerulean without Start codon [[7](#_ENREF_7)] |
| G057 | LI C-D mCherry noATG | mCherry without Start codon [[8](#_ENREF_8)] |
| G058 | LI C-D mOrange noATG | mOrange without Start codon [[8](#_ENREF_8)] |
| G078 | LI C-D dGFP | destablized GFP [[9](#_ENREF_9)] |
| G096 | LI C-D re dGFP | destablized GFP (recoded); this work |
|  |  |  |
| G011 | LI D-E GFP | 16 aa GS linker + GFP [[4](#_ENREF_4)] |
| G012 | LI D-E YFP | 16 aa GS linker + YFP Venus [[5](#_ENREF_5)] |
| G013 | LI D-E T-Sapphire | 16 aa GS linker + T-Sapphire [[6](#_ENREF_6)] |
| G014 | LI D-E Cerulean | 16 aa GS linker + CFP Cerulean [[7](#_ENREF_7)] |
| G025 | LI D-E mCherry | 16 aa GS linker + mCherry [[8](#_ENREF_8)] |
| G026 | LI D-E mOrange | 16 aa GS linker + mOrange [[8](#_ENREF_8)] |
|  |  |  |
| G090 | LI C-D 1-10GFP | superfolder GFP 1-10 domain [[10](#_ENREF_10)] |
| G091 | LI C-D 1-10GFP noATG | superfolder GFP 1-10 domain without start codon [[10](#_ENREF_10)] |
| G076 | LI D-E 1-10GFP | 16 aa GS linker + superfolder GFP 1-10 domain [[10](#_ENREF_10)] |
| G042 | LI C-D 11GFP | superfolder GFP 11 domain [[10](#_ENREF_10)] |
| G041 | LI D-E 11GFP | FLAG tag + and short linker + superfolder GFP 11 domain [[10](#_ENREF_10)] |
|  |  |  |
| **Other tags** |  |  |
| G065 | LI B-C 6xHIS | polyhistidine (6x) tag [[11](#_ENREF_11)] |
| G066 | LI D-E 6xHIS | polyhistidine (6x) tag [[11](#_ENREF_11)] |
| G067 | LI B-C HA | human influenza hemagglutinin (HA) tag (YPYDVPDYA) |
| G068 | LI D-E HA | human influenza hemagglutinin (HA) tag (YPYDVPDYA) |
| G069 | LI B-C c-MYC | c-MYC epitope tag (EQKLISEEDL) |
| G070 | LI D-E c-MYC | c-MYC epitope tag (EQKLISEEDL) |
| G060 | LI B-C N-NLS | Nuclear localization signal (NLS) of SV40 large T antigen [[12](#_ENREF_12)] |
| G062 | LI B-C N-NES (I) | Nuclear Export Signal (NES) of heat stable inhibitor (PKI) [[13](#_ENREF_13)] |
| G061 | LI B-C N-NES (II) | CPK17-N-terminal + NES for enhanced export [[14](#_ENREF_14)] |
|  |  |  |
| G035 | LI D-E C-NLS | NLS of SV40 large T antigen [[12](#_ENREF_12)] |
| G038 | LI D-E C-NES | NES of heat stable inhibitor (PKI) [[13](#_ENREF_13)] |
|  |  |  |
| **Terminators** |  |  |
| G006 | LI E-F nos-T | Nopaline synthase terminator [[3](#_ENREF_3)] |
| G045 | LI E-F HSP-T | Heat Shock Protein terminator *A.thaliana* [[15](#_ENREF_15)] |
| G059 | LI E-F 35S-T | Terminator of Cauliflower mosaic virus CaMV [[2](#_ENREF_2)] |
|  |  |  |
| **Misc** |  |  |
| G079 | LI B-E GUSi | β-glucuronidase (GUS) with intron [[16](#_ENREF_16)] |
| G050 | LI Intron | Intron elemet for construction of silencing vectors (intron1 of *AtWRKY33)[*[*1*](#_ENREF_1)*]* |
|  |  |  |
| **In planta resistances** | |  |
| G003 | LI F-G Neo | neomycin phosphotransferase II (nptII) [[17](#_ENREF_17)] |
| G095 | LI F-G Hygro | hygromycin phosphotranferase (hptII) (pCAMBIA) |

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