**Supplemental material**

**Inclusive innovation in crop gene editing for smallholder farmers: status and approaches**

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**Supplementary Table 1: List of crops for smallholder farmers**

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| --- | --- |
| ***Latin name*** | **English name** |
| 1. *Abelmoshus esculentus/caillei*
 | Okra |
| 1. *Adansonia digitate*
 | Baobab |
| 1. *Allanblackia floribunda*
 | Veg tallow tree |
| 1. *Allanblackia stulhmanii*
 | Allanblackia |
| 1. *Allium cepa*
 | Onion |
| 1. *Amaranthus cruentus*
 | Grain amaranth |
| 1. *Amaranthus spp.*
 | Amaranth |
| 1. *Amaranthus tricolor*
 | Vegetable amaranth |
| 1. *Anacardium occidentale*
 | Cashew |
| 1. *Ananas comosus*
 | Pineapple |
| 1. *Annona reticulata*
 | Custard Apple |
| 1. *Annona senegalensis*
 | Wild Custard Apple |
| 1. *Artocarpus altilis*
 | Breadfruit |
| 1. *Artocarpus heterophyllus*
 | Jack Tree |
| 1. *Balanites aegyptiaca*
 | Balanites |
| 1. *Basella alba*
 | Vine spinach |
| 1. *Boscia senegalensis*
 | Aizen, Nabedega |
| 1. *Brassica carinata*
 | Ethiopia Mustard |
| 1. *Cajanus cajan*
 | Pigeon pea |
| 1. *Camellia sinensis*
 | Tea |
| 1. *Canarium madagascariense*
 | Canarium nut, Ramy nut |
| 1. *Capsicum annum L/frutescens L*
 | Chili |
| 1. *Carica papaya*
 | Papaya |
| 1. *Carissa spinarum*
 | Carissa |
| 1. *Casimiroa edulis*
 | White sapote |
| 1. *Cassia obtusifolia*
 | Sickle Senna |
| 1. *Celosia argentea*
 | Celosia |
| 1. *Chenopodium Quinoa*
 | Quinoa |
| 1. *Chrysophyllum cainito*
 | Star apple |
| 1. *Cicer arientinum*
 | Chickpea |
| 1. *Cinnamomum zeylanicum*
 | Cinnamon |
| 1. *Citrullus lanatus*
 | Watermelon |
| 1. *Cleome gynandra*
 | Spiderplant |
| 1. *Cocos nucifera*
 | Coconut |
| 1. *Coffea*
 | Coffee |
| 1. *Colocasia esculenta*
 | Taro |
| 1. *Corchorus olitorius*
 | Jute mallow |
| 1. *Crassocephalum rubens*
 | Yoruban bologi |
| 1. *Crotalaria juncea*
 | Sunn hemp |
| 1. *Crotalaria ochroleuca*
 | Rattlebox |
| 1. *Cucumis metuliferus*
 | Horned Melon |
| 1. *Cucurbita maxima*
 | Pumpkin |
| 1. *Cyphomandra betacea*
 | Cape tomato |
| 1. *Dacryodes edulis*
 | African Plum |
| 1. *Detarium senegalense/microcarpum*
 | Sweet detar |
| 1. *Digitaria exilis*
 | Fonio |
| 1. *Dioscorea alata*
 | Yams |
| 1. *Dioscorea dumetorum*
 | Bitter yam |
| 1. *Dioscorea rotundata*
 | Yams |
| 1. *Dioscorea spp*
 | Yam |
| 1. *Diospyros mespiliformis*
 | African persimmon |
| 1. *Dovyalis caffra*
 | Kei Apple |
| 1. *Elaeis guineensis*
 | Oil palm |
| 1. *Eleusine coracana*
 | Finger Millet |
| 1. *Ensete ventirocosum*
 | Enset |
| 1. *Eragrostis tef*
 | Tef |
| 1. *Fagopyrum Escelentum*
 | Buckwheat |
| 1. *Faidherbia albida*
 | Acacia (Apple-ring) |
| 1. *Garcinia livingstonii*
 | African Mangosteen |
| 1. *Garcinia mangostana*
 | Mangosteen |
| 1. *Glycine max*
 | Soybean (Sub Saharan Africa only) |
| 1. *Gnetum africanum*
 | African Gnetum |
| 1. *Gossypium*
 | Cotton |
| 1. *Guizotia abyssinica*
 | Noug |
| 1. *Hevea brasiliensis*
 | Rubber |
| 1. *Hibiscus sabdariffa*
 | Roselle |
| 1. *Hordeum vulgare*
 | Barley |
| 1. *Icacina oliviformis*
 | False yam |
| 1. *Ipomoea batatas*
 | Sweet potato |
| 1. *Ipomoea batatas*
 | Sweet Potato Leaves |
| 1. *Irvingia gabonensis*
 | Sweet bush mango |
| 1. *Lablab purpureus*
 | Lab lab Bean |
| 1. *Landolphia spp*
 | Gumvines |
| 1. *Lannea microcarpa*
 | Tree grapes |
| 1. *Lathyrus Sativus*
 | Grass pea |
| 1. *Lens culinaris*
 | Lentil |
| 1. *Linum unitatissimum*
 | Linseed |
| 1. *Macadamia ternifolia*
 | Macadamia |
| 1. *Macrotyloma geocarpum*
 | Geocarpa groundnut |
| 1. *Macrotyloma uniflorum*
 | Horsegram |
| 1. *Mangifera indica*
 | Mango |
| 1. *Manihot esculentum*
 | Cassava |
| 1. *Momordica charantia*
 | Bittergourd |
| 1. *Moringa oleifera*
 | Drumstick tree, |
| 1. *Moringa oleifera*
 | Moringa |
| 1. *Morus alba*
 | Mulberry |
| 1. *Musa spp.*
 | Banana |
| 1. *Musa spp.*
 | Plantain |
| 1. *Olea europaea*
 | Olive (oil) |
| 1. *Opuntia monacantha*
 | Prickly pear |
| 1. *Oryza sativa*
 | Rice |
| 1. *Orzya glaberrima*
 | African rice |
| 1. *Panicum miliaceum*
 | Millet |
| 1. *Parinari curatellifolia*
 | Mobola plum |
| 1. *Parkia biglobosa*
 | African Locust |
| 1. *Passiflora edulis*
 | Passion Fruit |
| 1. *Persea americana*
 | Avocado |
| 1. *Phaseolus*
 | Beans |
| 1. *Phaseolus vulgaris*
 | Green Bean |
| 1. *Pisum*
 | Pulses (other) |
| 1. *Plectranthus esculentus/rontundifolius*
 | African Potato |
| 1. *Psidium guajava*
 | Guava |
| 1. *Ricinodendron heudelotii*
 | Groundnut |
| 1. *Rinicus communis*
 | Castor bean |
| 1. *Saba comorensis*
 | Rubber vines |
| 1. *Saba senegalensis*
 | Nsaban, kabaa |
| 1. *Sclerocarya birrea*
 | Marula |
| 1. *Sesamum indicum*
 | Sesame |
| 1. *Solanum aethiopicum*
 | African Eggplant |
| 1. *Solanum lycopersicum*
 | Tomato |
| 1. *Solanum scabrum*
 | African Nightshade |
| 1. *Solanum tuberosum*
 | Potato |
| 1. *Sorghum bicolor*
 | Sorghum |
| 1. *Sphenostylis stenocarpa*
 | Yambean |
| 1. *Strychnos cocculoides*
 | Natal orange |
| 1. *Strychnos spinosa*
 | African Orange |
| 1. *Syzygium guineense*
 | Water berry |
| 1. *Talinum fruticosum*
 | Ceylon spinach |
| 1. *Tamarindus indica*
 | Tamarind |
| 1. *Telfairia occidentalis*
 | Fluted gourd |
| 1. *Theobroma cacao*
 | Cocoa |
| 1. *Triticum*
 | Wheat |
| 1. *Tylosema esculentum*
 | Marama bean |
| 1. *Uapaca kirkiana*
 | Wild loquat |
| 1. *Vangueria madagascariensis/infausta*
 | African Medlars |
| 1. *Vanilla Planifolia.*
 | Vanilla |
| 1. *various names*
 | Pulses (aggregate) |
| 1. *Vicia faba*
 | Favabean |
| 1. *Vigna radiata*
 | Mungbean |
| 1. *Vigna subterranean*
 | Bambara groundnut |
| 1. *Vigna ﻿unguiculata*
 | Cowpea |
| 1. *Vitellaria paradoxa*
 | Shea Butter |
| 1. *Vitex doniana*
 | Chocolate berries |
| 1. *Xanthosoma sagittifolium*
 | Elephant ears |
| 1. *Xanthosoma spp*
 | Cocoyams, Arrowroots |
| 1. *Ximenia caffra*
 | Sour plum |
| 1. *Zea mays*
 | Maize |
| 1. *Ziziphus mauritiana*
 | Jujube |