

Availability of differential hosts and isolates

	Crop	Disease/pathogen	Availability	
			Differential hosts	Isolates
1	bean	Anthracnose (Cl)	GRIN, MATREF	MATREF
2	bean	Common mosaic and common mosaic necrosis virus (BCMV, BCMNV)	GRIN (BCMV), MATREF (BCMNV)	MATREF (BCMNV)
3	bean	Fusarium wilt (Fop)	GRIN	
4	bean	Halo blight (Psp)	GRIN, MATREF	
5	bean	Rust (Ua)	GRIN	
6	carrot	Alternaria leaf blight (Ad)	MATREF	MATREF
7	corn salad	Downy mildew (Pv)	MATREF	MATREF
8	lettuce	Downy mildew (Bl)	IBEB, MATREF	IBEB, MATREF
9	lettuce	Fusarium wilt (Fol)		Genebank, National Institute of Agrobiological Sciences, Japan
10	lettuce	Lettuce mosaic (LMV)	MATREF	MATREF
11	melon	Cotton aphid (Ag)	MATREF	MATREF
12	melon	Cucumber mosaic (CMV)	MATREF	MATREF
13	melon	Fusarium wilt (Fom)	GRIN, MATREF	MATREF, US National Center for Genetic Resources Preservation
14	melon	Melon necrotic spot (MNSV)	MATREF	MATREF
15	melon	Morocco watermelon mosaic virus (MWMV)	MATREF	MATREF
16	melon	Powdery mildew (Gc)	MATREF	MATREF
17	melon	Powdery mildew (Px)	MATREF	MATREF
18	melon	Zucchini yellows (ZYMV)	MATREF	MATREF
19	pea	Ascochyta blight (Aps - race C)	GRIN, MATREF	MATREF
20	pea	Bacterial blight (Psp)	GRIN	
21	pea	Bean leaf roll	GRIN	
22	pea	Bean yellow mosaic virus	GRIN, MATREF	MATREF (Strain 2)
23	pea	Common or Aphanomyces root rot (Ae)	GRIN	
24	pea	Fusarium root rot (Fs)	GRIN	
25	pea	Near wilt (Fop)	GRIN, MATREF	MATREF
26	pea	Pea enation mosaic (PEMV)	GRIN	
27	pea	Pea seed-borne mosaic (PSbMV)	GRIN	
28	pepper	Bacterial spot (Xcv)	GRIN	David Ritchie
29	pepper	Cucumber mosaic (CMV)	MATREF	MATREF
30	pepper	Pepper mild mottle (PMMoV)	MATREF	MATREF
31	pepper	Potato Y (PVY)	MATREF	MATREF
32	pepper	Tobacco mosaic (TMV)	MATREF	MATREF
33	pepper	Tomato spotted wilt (TSWV)	MATREF	MATREF

34	radish	Yellows (For)	MATREF	MATREF
35	spinach	Downy mildew (Pfs)	GRIN, NAKT	Jim Correll, NAKT
36	tomato	Bacterial speck (Pst)	MATREF	MATREF
37	tomato	Fusarium crown and root rot (For)	MATREF	MATREF
38	tomato	Fusarium wilt (Fol)	MATREF	MATREF
39	tomato	Gray leaf spot (Sbl, Sl, Ss)	MATREF	MATREF
40	tomato	Leaf mould (Ff)	MATREF	MATREF
41	tomato	Root knot nematode (Mi)	MATREF	MATREF
42	tomato	Tobamovirus (ToMV)	GRIN, MATREF	GRIN, MATREF
43	tomato	Tomato spotted wilt (TSWV)	MATREF	MATREF
44	tomato	Verticillium wilt (Vd)	MATREF	MATREF

Links

Dr David Ritchie

Dr Jim Correll

[GRIN](#)

[IBEB](#)

[MATREF](#)

[NAKT](#)

[Genebank, National Institute of Agrobiological Sciences](#), Japan

[US National Center for Genetic Resources Preservation](#)