

Purification, 8

## R

Recombination, 548

Reovirus, 65

Replicase genes, 31, 146, 537  
extracts, 91

Replication, 6

Resistance,  
acquired, 14  
induced, 14

Reverse transcription, 53

Rhabdovirus, 77

Rhizomania, 562

Ribonucleases, 191  
inhibitor, 294

Rice black-streaked dwarf virus, 67

Rice dwarf virus, 65

Rice ragged stunt virus, 67

RNA,

analysis, 243  
antisense, 31, 530, 541  
defective-interfering, 9, 190, 227  
degradation, 538  
dsRNAs, 65  
3' end determination, 243  
3' end labeling, 245  
fractionation, 251  
mediated resistance, 533  
mRNA purification, 473  
polymerase, 5  
polyribosomal, 86, 138  
satellite, 31, 190, 194, 227  
transcript, 437  
tRNA-like, 100, 124, 220

Rymovirus, 153

## S

Satellites, 9

Scutellum, 373

Secondary structure prediction, 322

Seeds,

T<sub>1</sub>, 378

Sequencing, 307

computer analysis, 319  
database analysis, 324  
dye-terminated, 308  
gels, 309  
similarity, 319

Soil-borne wheat mosaic virus, 107

Somatic embryogenesis, 373

Sonchus yellow net virus, 78

Sonicator, 149

Southern analysis, 397, 425  
interpretation, 409

Stripping, 433

Sucrose cushion, 191

Synergism, 548

## T

*Taq* polymerase, 271, 419

Taxonomy, 4

Tobacco etch virus, 26

Tobacco mosaic virus, 13, 123, 521  
CPMP, 25

Tobacco rattle virus, 115, 438

Tobacco ringspot virus, 197

Tobamovirus, 123

Tobravirus, 115

Tolerance, 535  
acquired, 14

Tomato black ring virus, 198

Tomato bushy stunt virus, 225

Tomato mosaic virus, 16

Tomato ringspot virus, 200

Tomato spotted wilt virus, 28, 559

Tomato transformation, 359

Tombusvirus, 225

Transformation, 10

potato, 353  
rice, 383  
analysis, 397  
tobacco, 365  
analysis, 417  
tomato, 359  
wheat, 373

Transgenes, 437

Transgenic plants

agronomic performance, 509  
benefits, 557  
field testing, 497, 547  
resistance, 499  
phenotypes, 521  
risk assessment, 505, 547  
risk reduction, 550  
yield assessments, 515

Transmission, 6