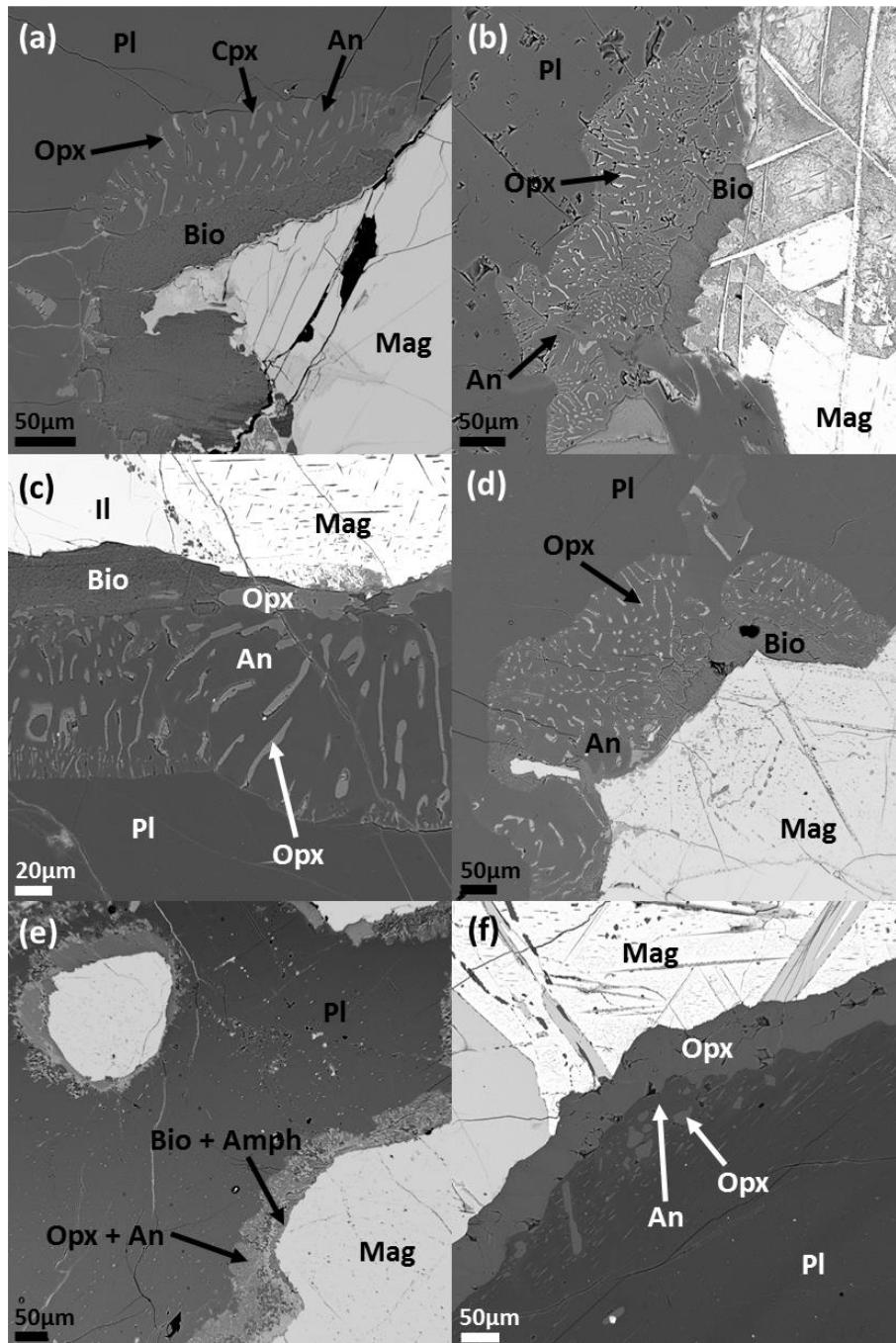
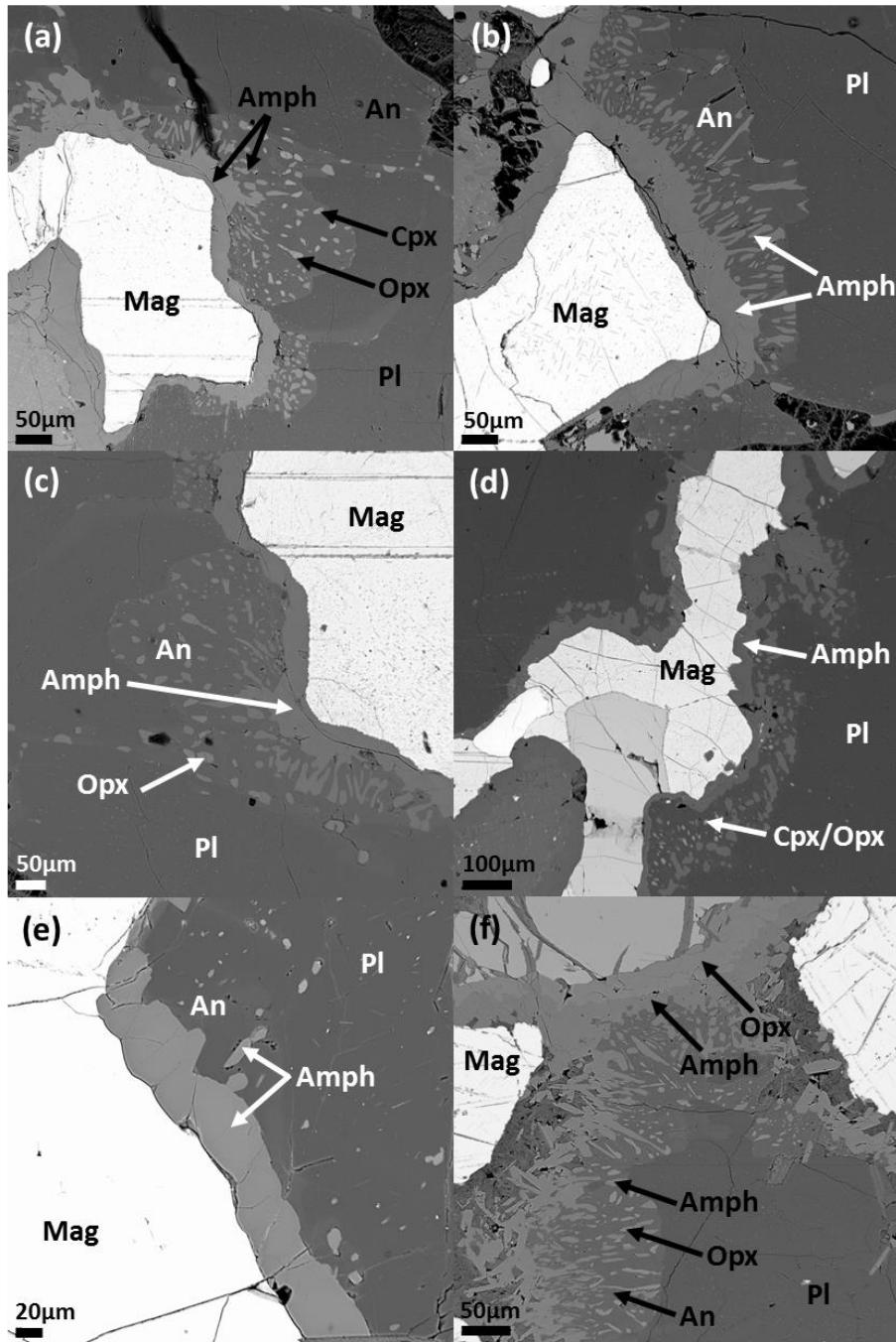


## Type I-a Symplectites



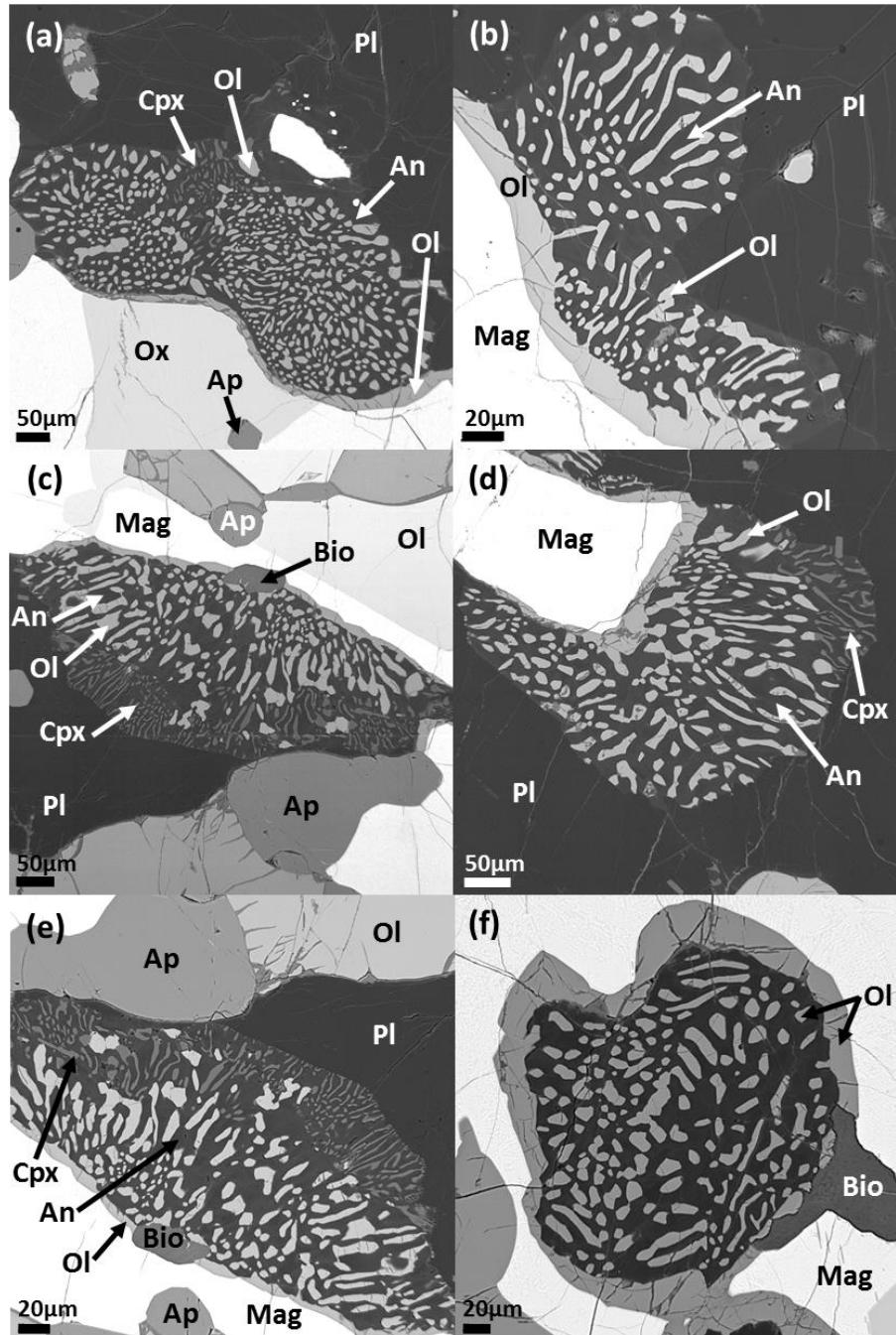
**Figure A1.** BSE images of Type I-a symplectites. a) Sample 9-1959, MCU I. b) Sample 9-2121.5, MCU I. c) Sample 8-689, MCU II. d) Sample 8-522, MCU II. e) Sample ON-07-110, MCU III. f) Sample ON-07-102, MCU III. Pl = primocryst plagioclase, An = anorthitic plagioclase, Cpx = clinopyroxene, Opx = orthopyroxene, Bio = biotite, Amph = amphibole, Mag = magnetite, Il = ilmenite.

## Type I-b Symplectites



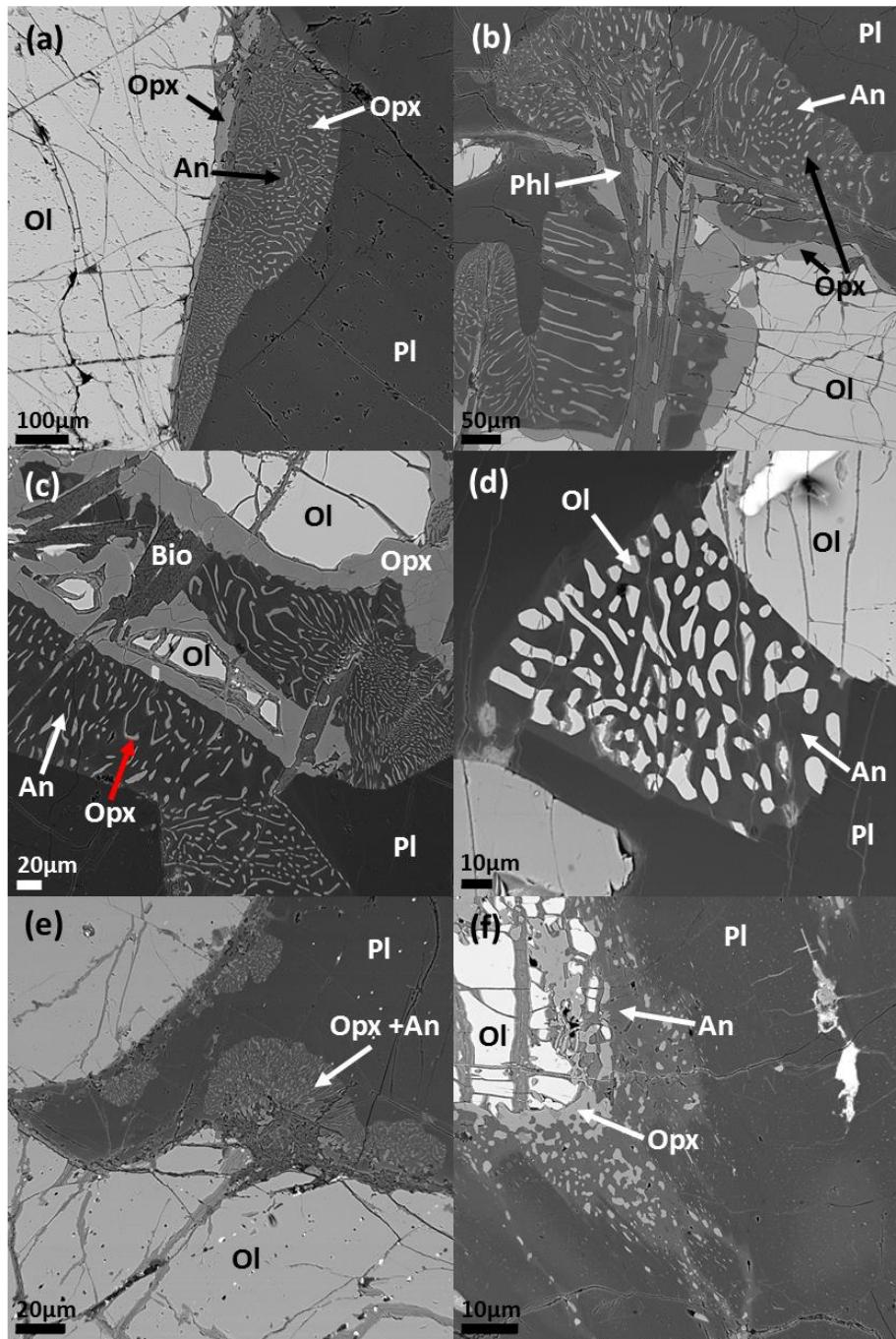
**Figure A2.** BSE images of Type I-b symplectites. a), b) and c) Sample ON-07-152, MCU II. d) and e) Sample ON-07-155, MCU II. e) Sample 07-07-77, MCU III. Pl = primocryst plagioclase, An = anorthitic plagioclase, Cpx = clinopyroxene, Opx = orthopyroxene, Bio = biotite, Amph = amphibole, Mag = magnetite.

## Type I-c Symplectites



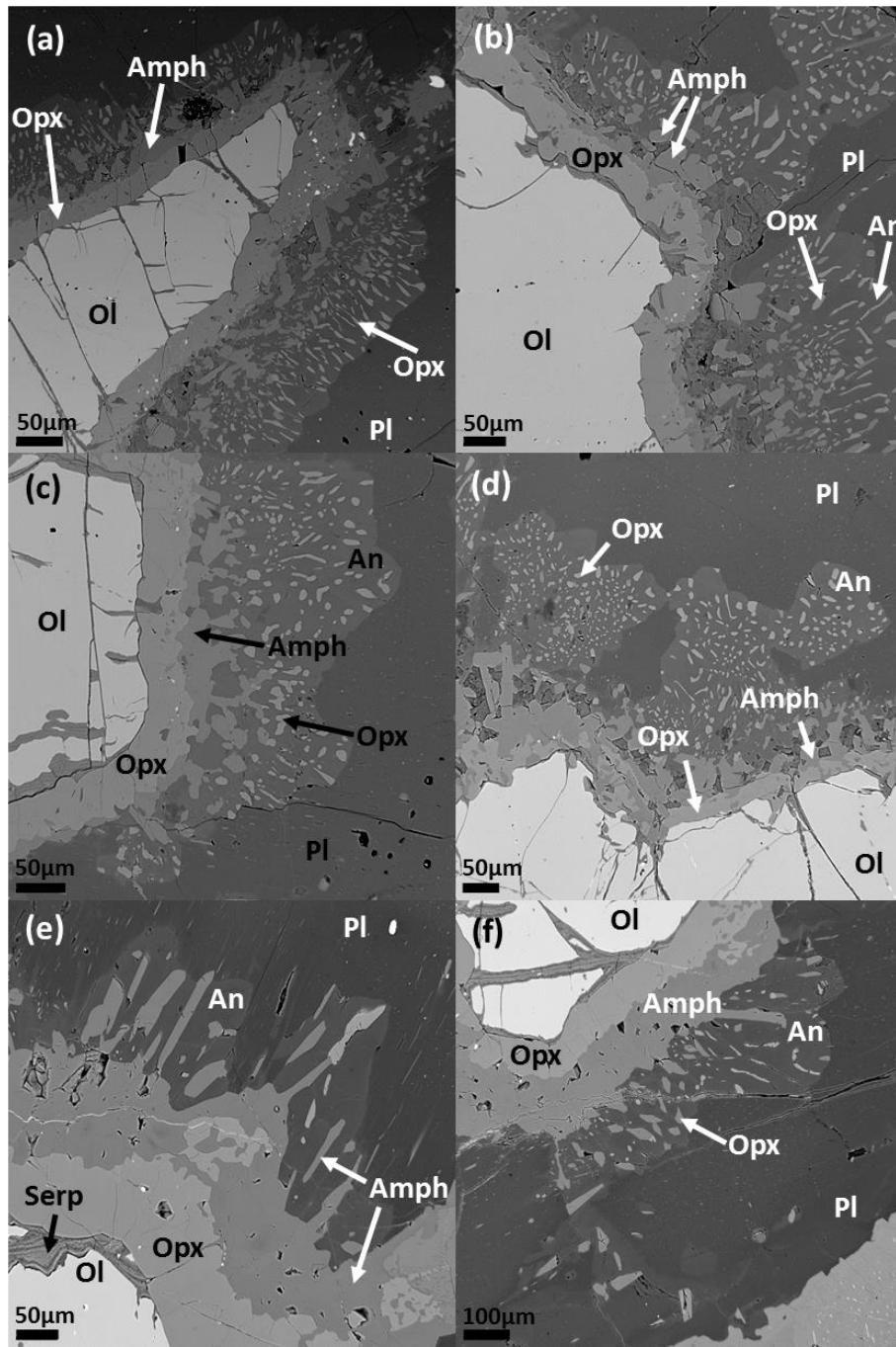
**Figure A3.** BSE images of Type I-c symplectites. a) and b) Sample S9-33.3, MCU II. c), d) and e) Sample S9-57.9, MCU II. f) Sample S9-70.6, MCU II. Pl = primocryst plagioclase, An = anorthitic plagioclase, Opx = orthopyroxene, Bio = biotite, Mag = magnetite, Ol = olivine, Ap = apatite, Ox = Fe-Ti oxide (magnetite or ilmenite).

## Type II-a Symplectites



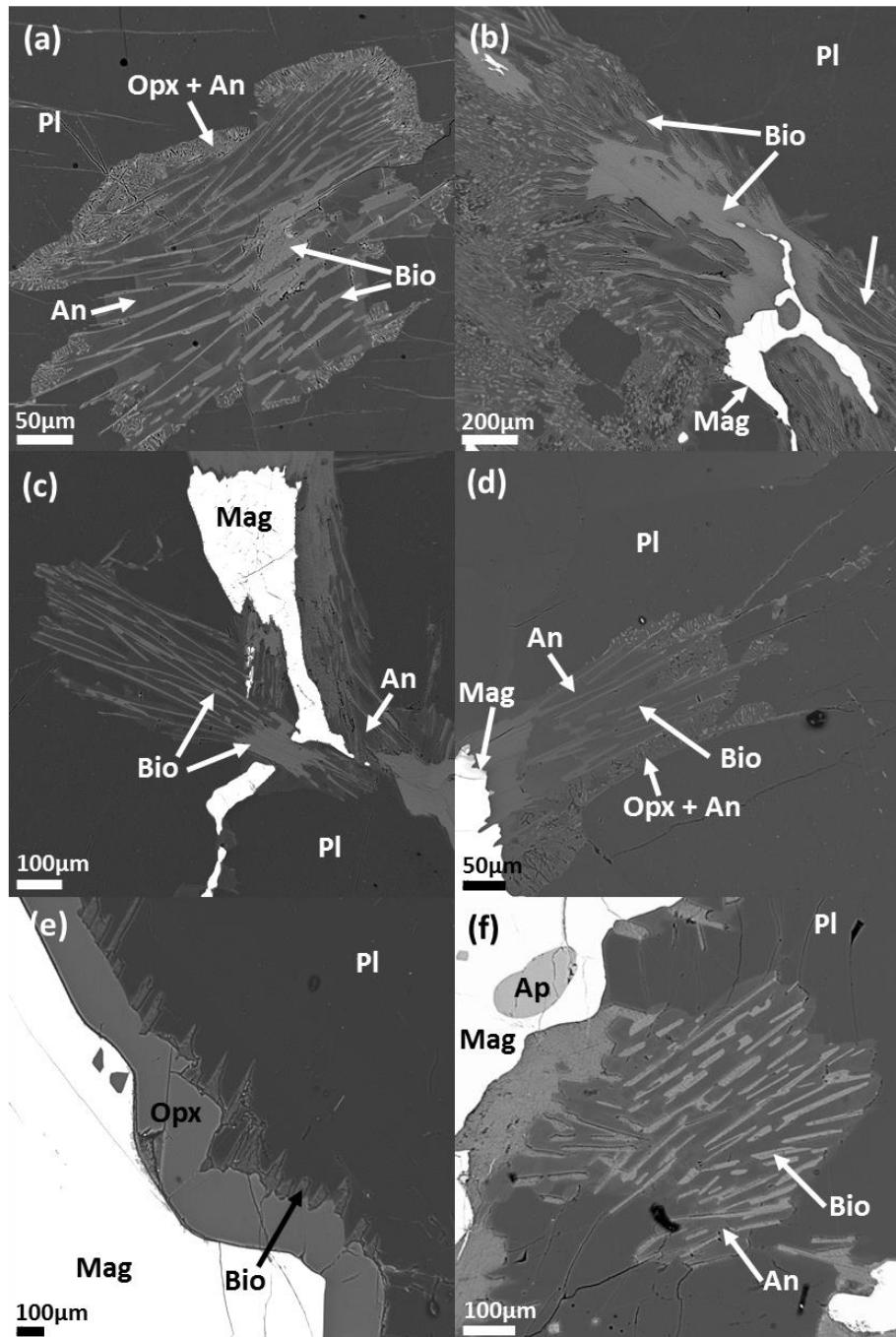
**Figure A4.** BSE images of Type II-a symplectites. a) Sample 9-2121.5, MCU I. b) Sample 9-2234, MCU I. c) Sample 8-1355, MCU II. d) Sample S9-33.3, MCU II. e) Sample ON-07-107, MCU III. f) Sample ON-07-102, MCU III. PI = primocryst plagioclase, An = anorthitic plagioclase, Opx = orthopyroxene, Bio = biotite, Ol = olivine, Phl = phlogopite.

## Type II-b Symplectites



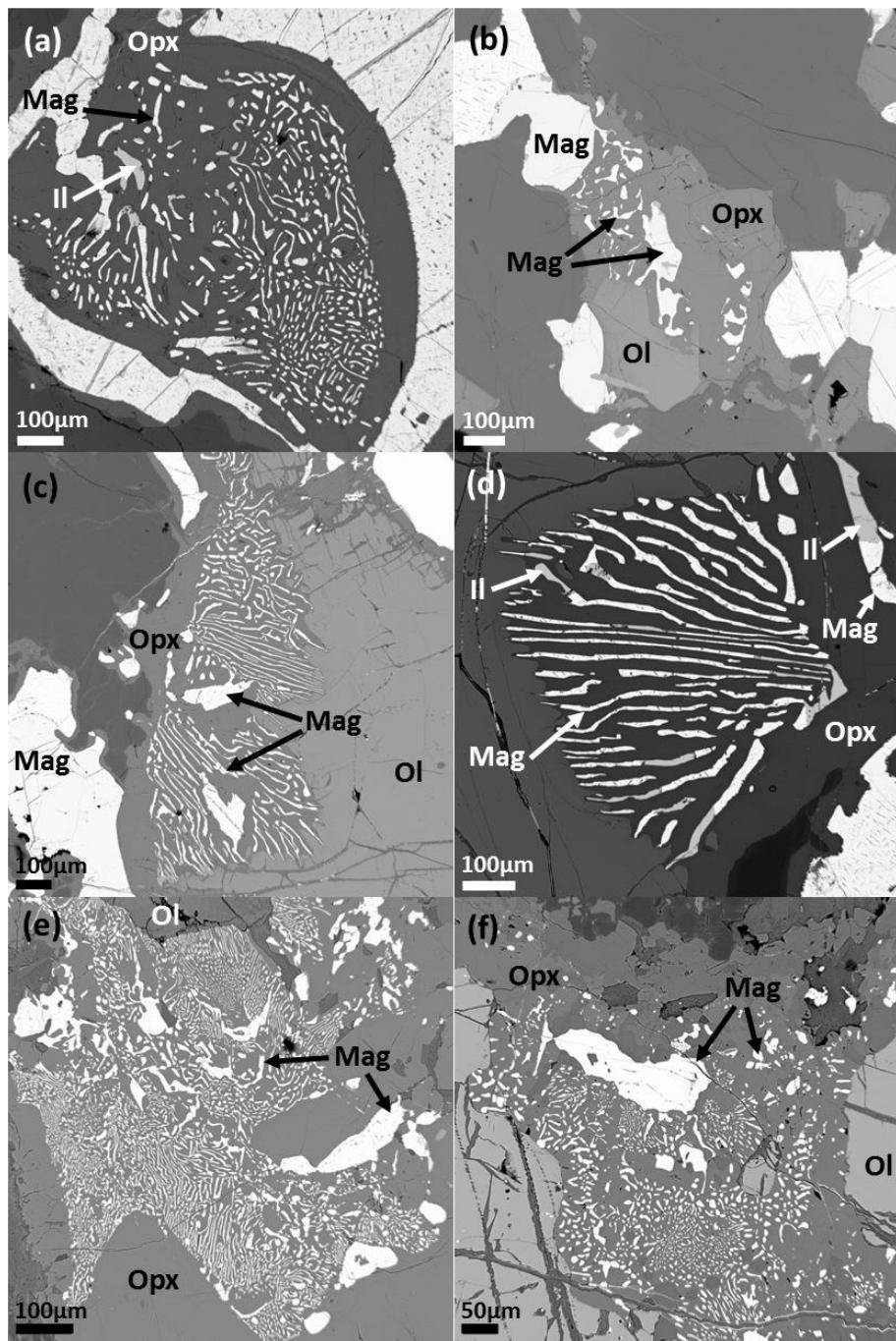
**Figure A5.** BSE images of Type II-b symplectites. a), b) and c) Sample ON-07-77, MCU III. d) Sample ON-07-83, MCU III. e) Sample ON-07-102, MCU III. Pl = primocryst plagioclase, An = anorthitic plagioclase, Opx = orthopyroxene, Amph = amphibole, Ol = olivine, Serp = serpentine.

## Biotite-Plagioclase Symplectites



**Figure A6.** BSE images of biotite-plagioclase symplectites. a) Sample 8-689, MCU II. b) Sample 8-565, MCU II. c) Sample 8-522, MCU II. d) Sample 8-439, MCU II. e) Sample 8-1838.5, MCU II. f) Sample S9-75.9, MCU II. Pl = primocryst plagioclase, An = anorthitic plagioclase, Opx = orthopyroxene, Bio = biotite, Mag = magnetite, Ap = apatite.

## G. Oxy-Symplectites



**Figure A7.** BSE images of oxy-symplectites. a) Sample 9-2121.5, MCU I. b) Sample 9-1045.5, MCU I. c) and d) Sample 8-439, MCU II. e) Sample ON-07-88, MCU III. f) Sample ON-07-102, MCU III. Opx = orthopyroxene, Ol = olivine, Mag = magnetite, Il = ilmenite.