Supplementary Material for:

“*Crystallographic and morphological evidence of solid-solid interfacial energy anisotropy in the Sn-Zn eutectic system***”.**

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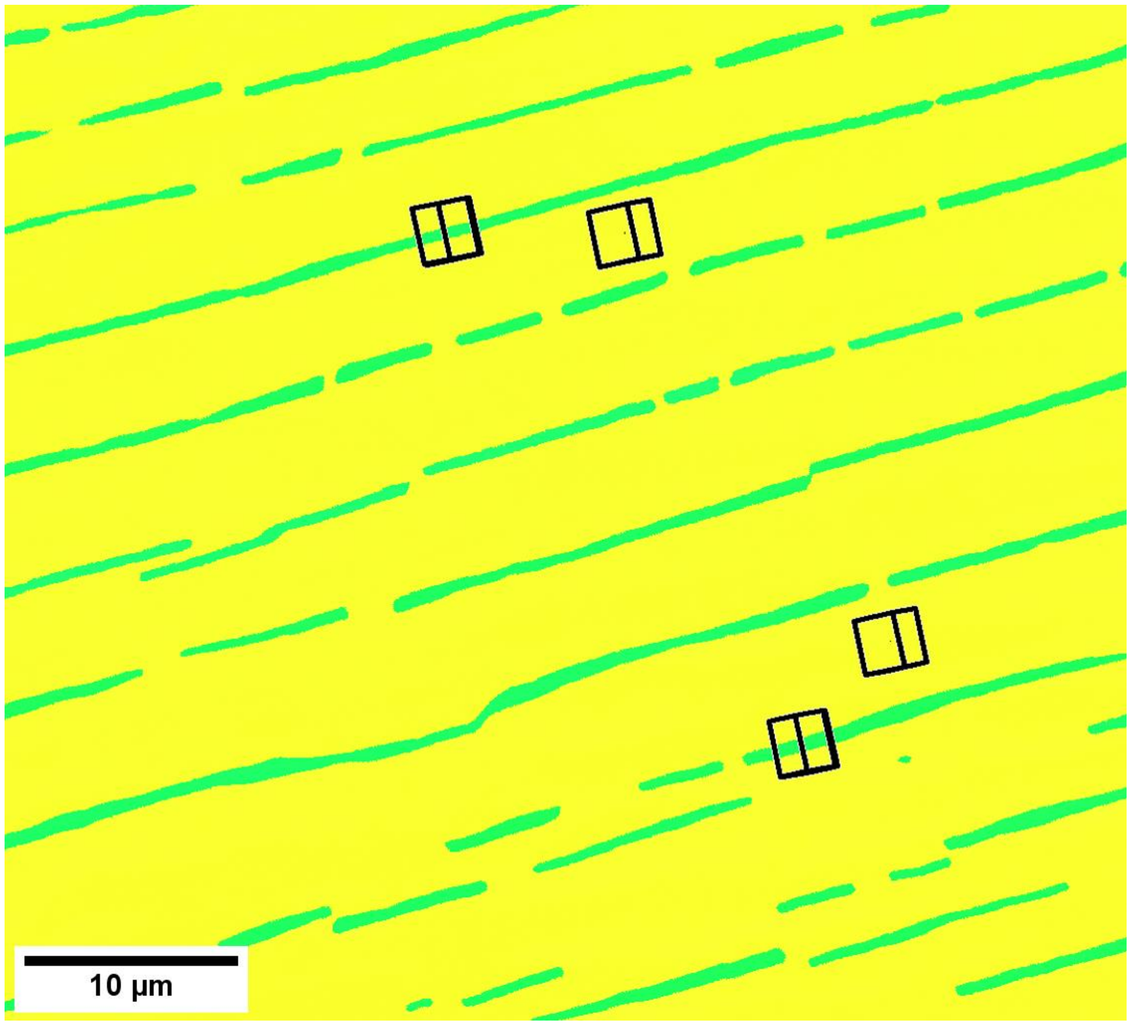
Figure S1: EBSD results of sample solidified at velocity = 0.6 µm/sec

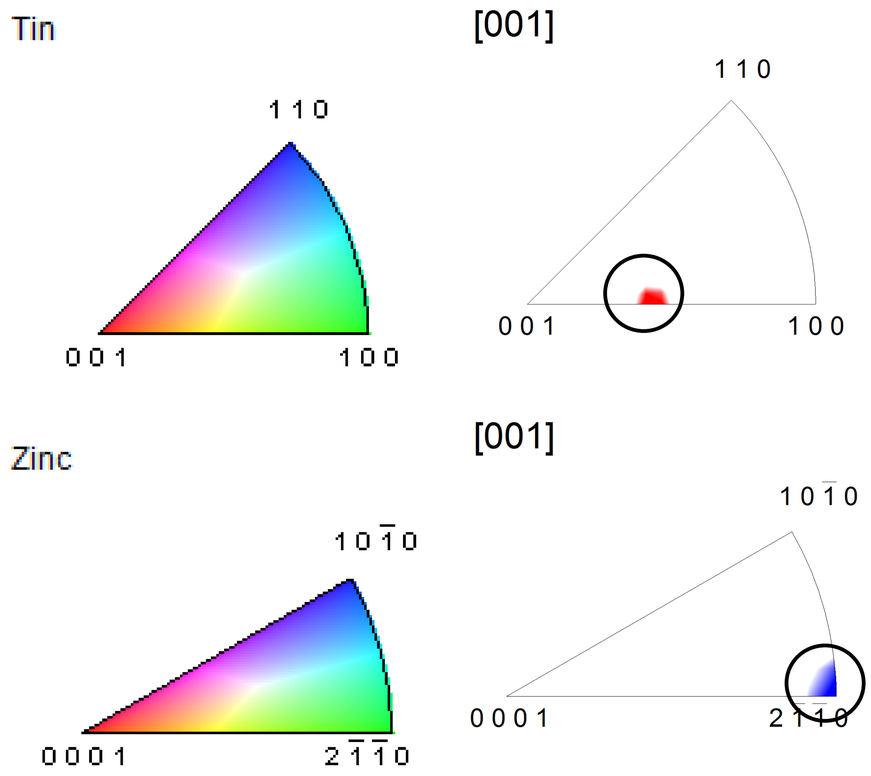
(a) Color coded map: Inverse pole figure [001]



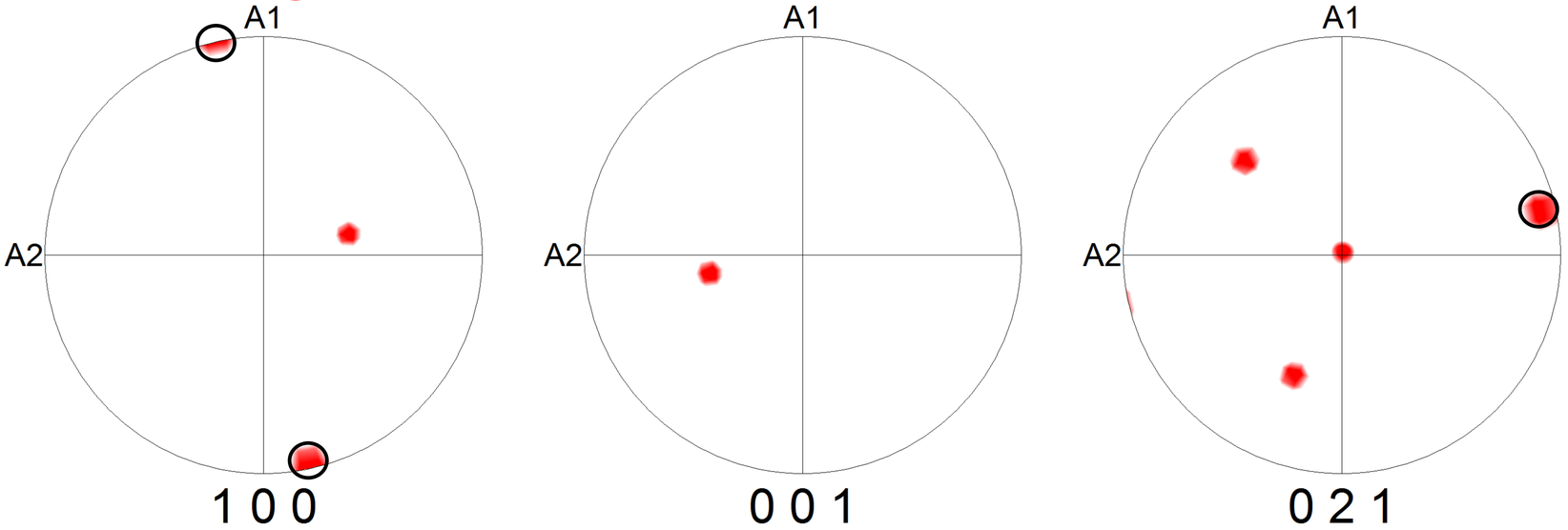
(b)

Phase	Fraction
Tin	0.911
Zinc	0.089

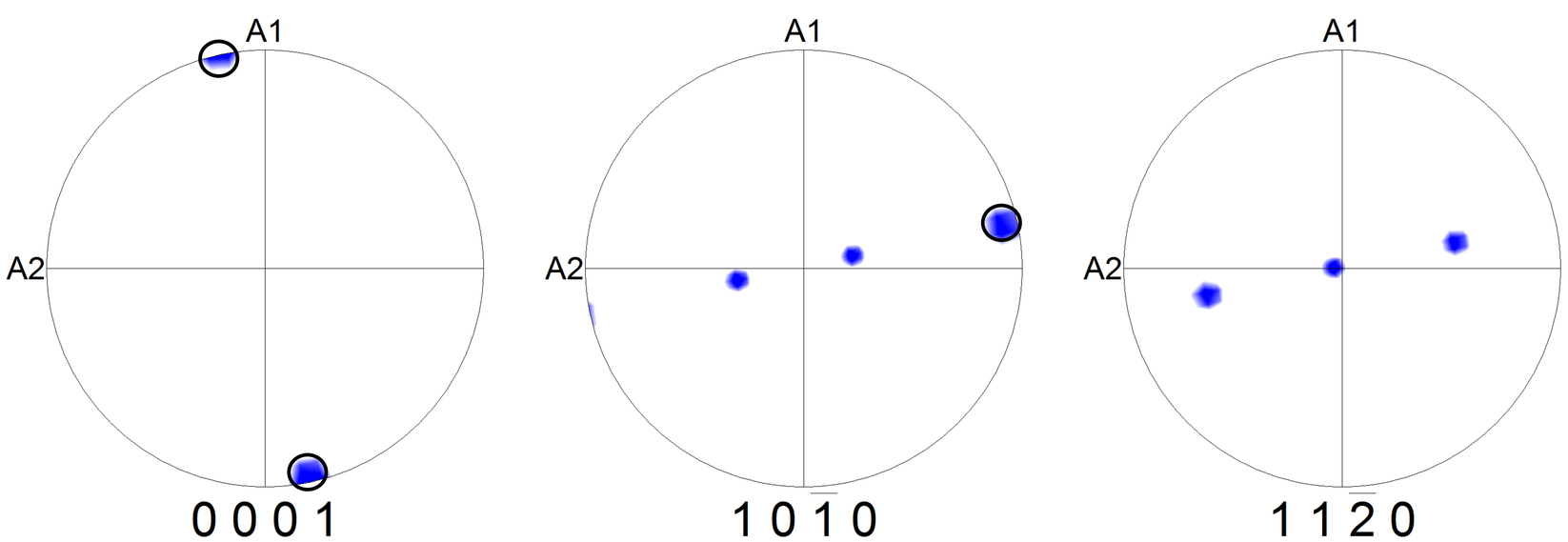
(c) Inverse pole figures



(d) Pole figures of Sn



(e) Pole figures of Zn



(f) Sample reference frame

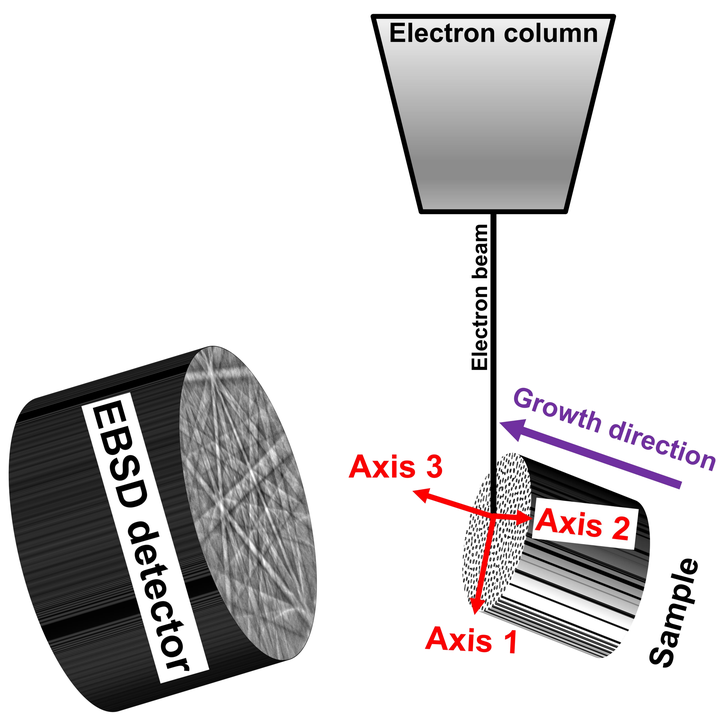
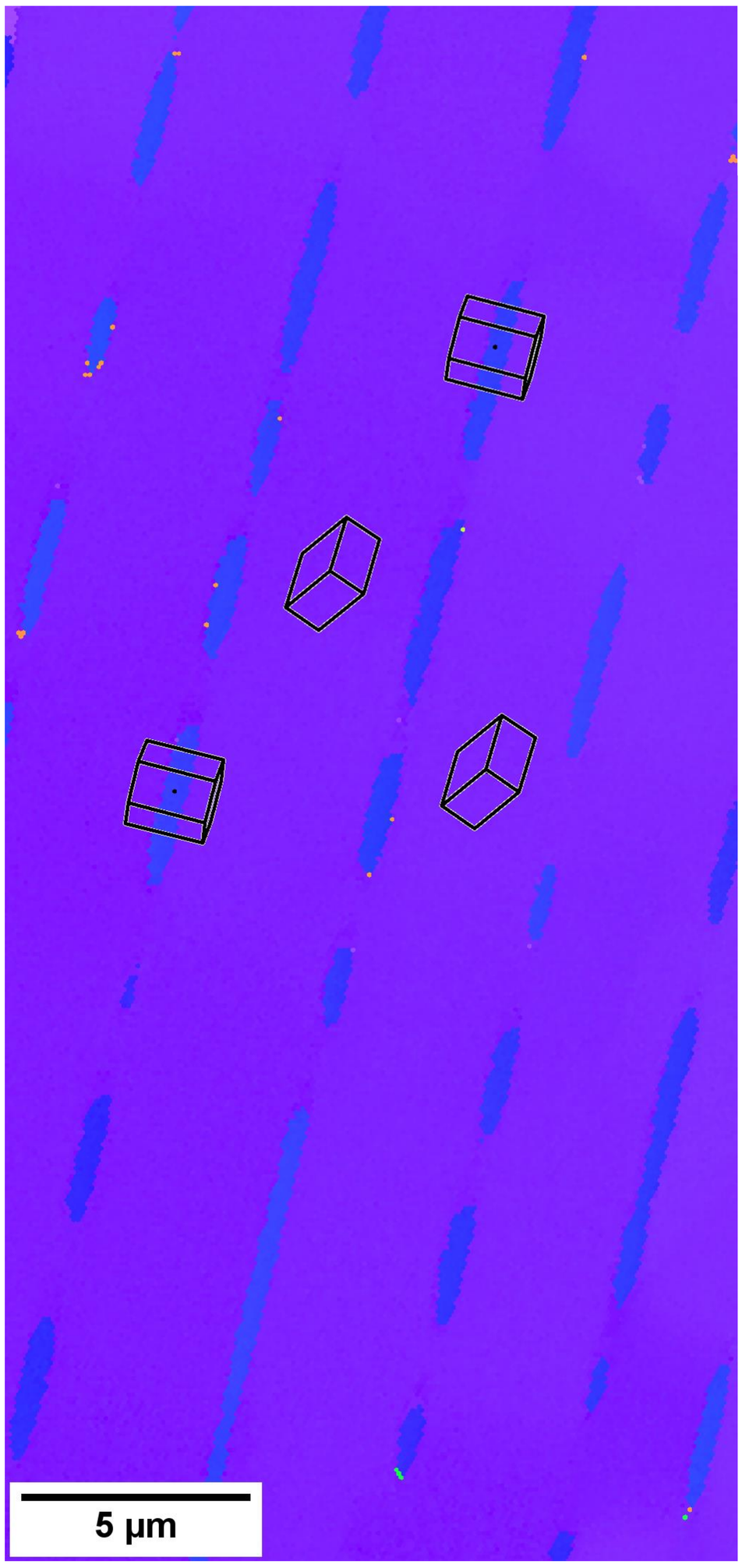
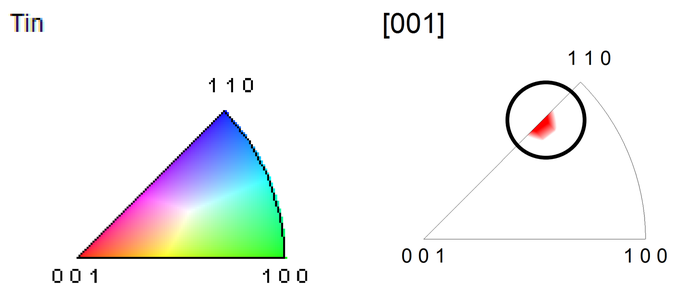


Figure S2: EBSD results of sample solidified at velocity = 1 µm/sec

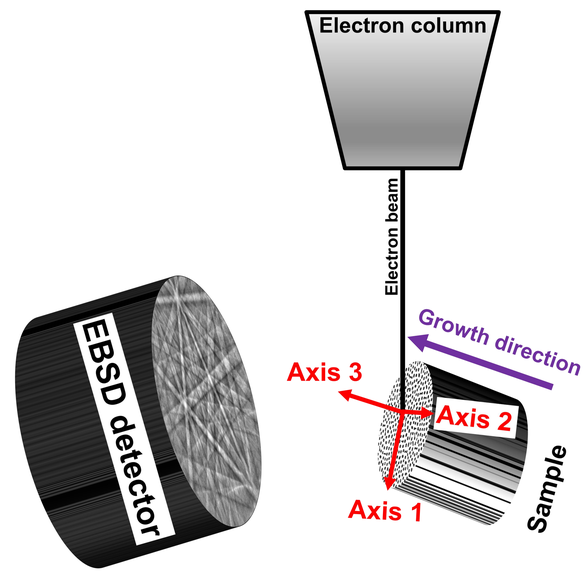
(a) Color coded map:
Inverse pole figure [001]



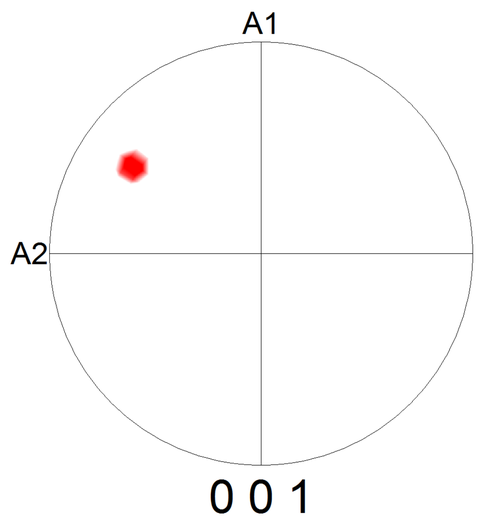
(b) Inverse pole figures



(c) Sample reference frame



(d) Pole figures of Sn



(e) Pole figures of Zn

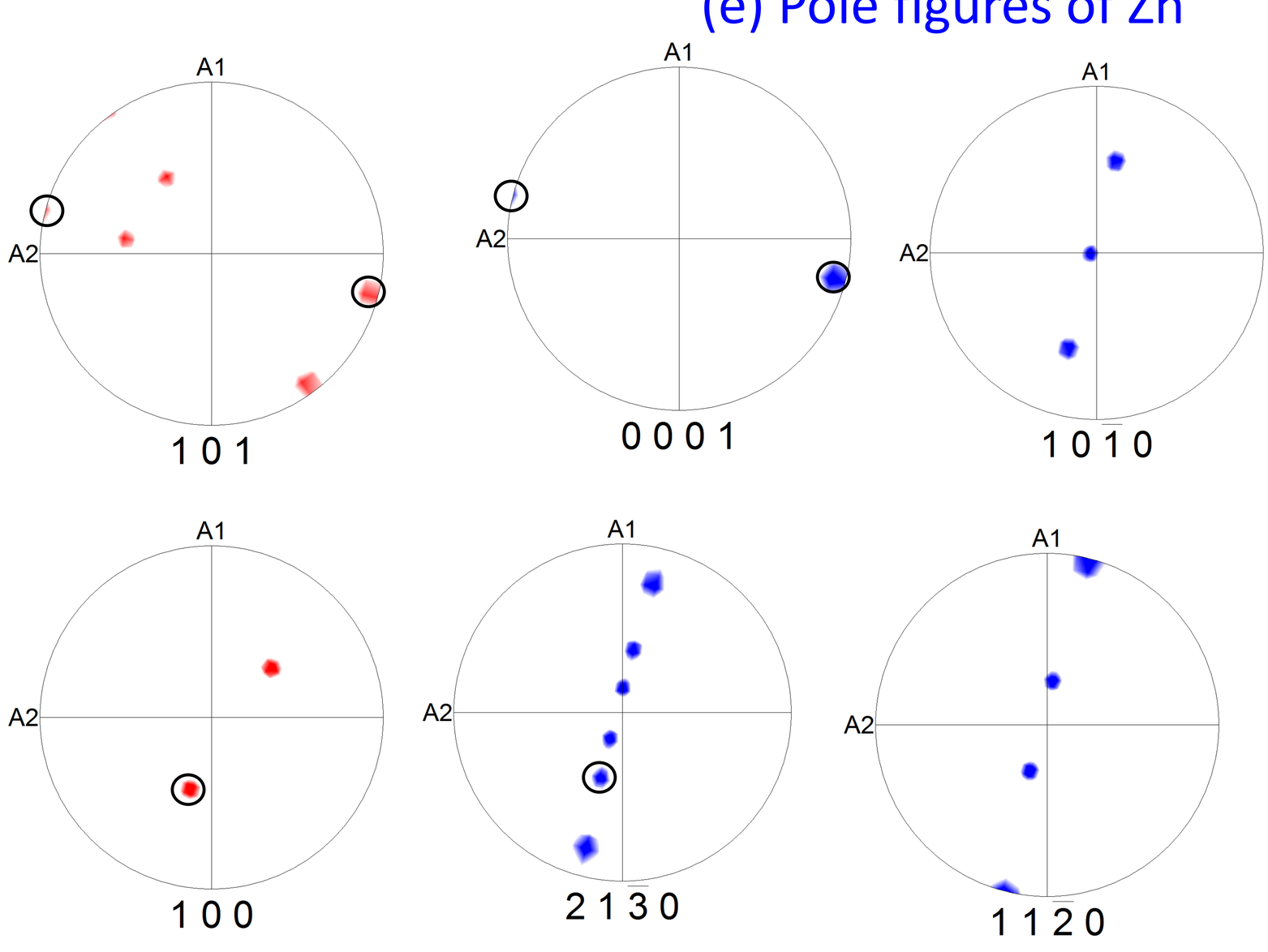
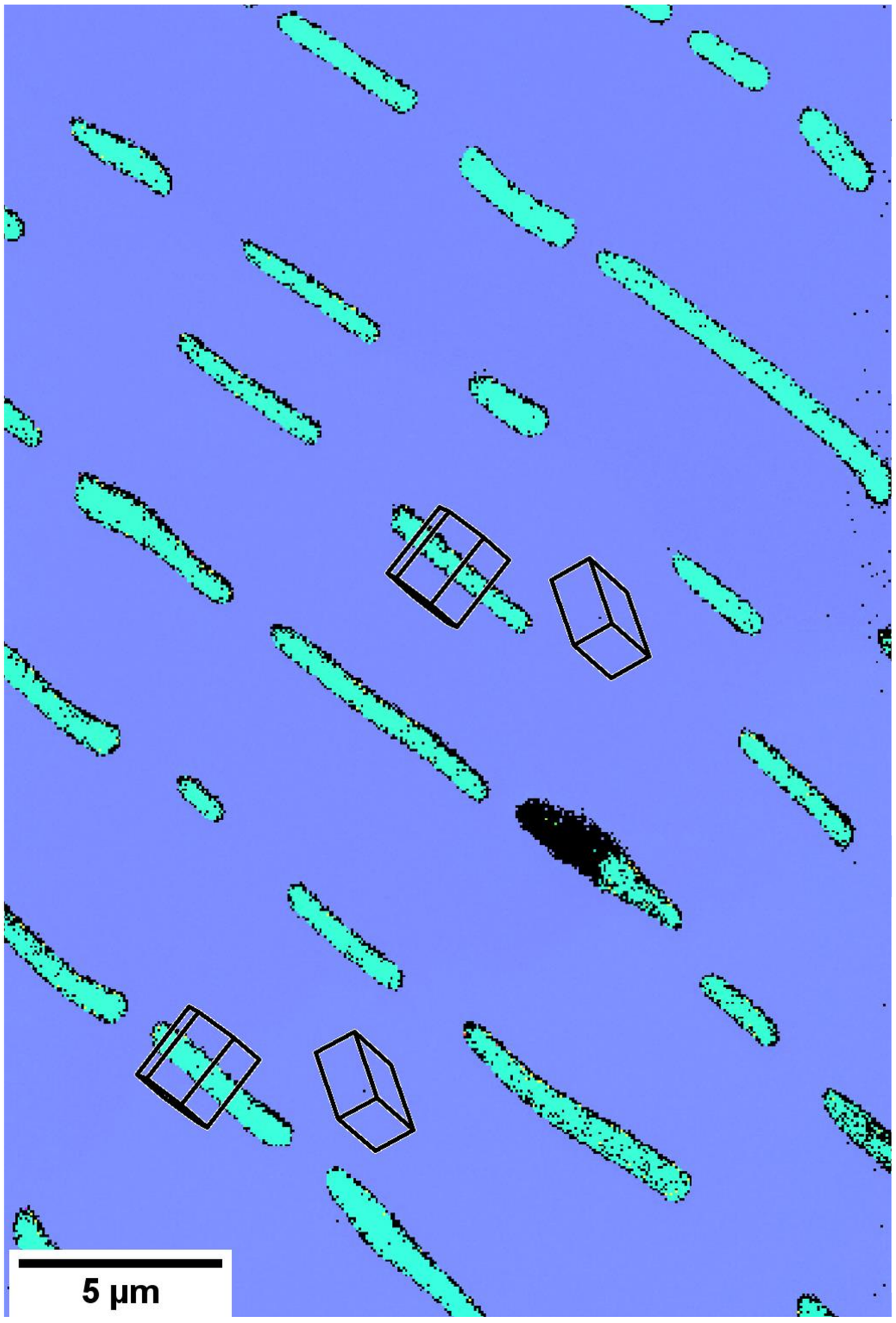


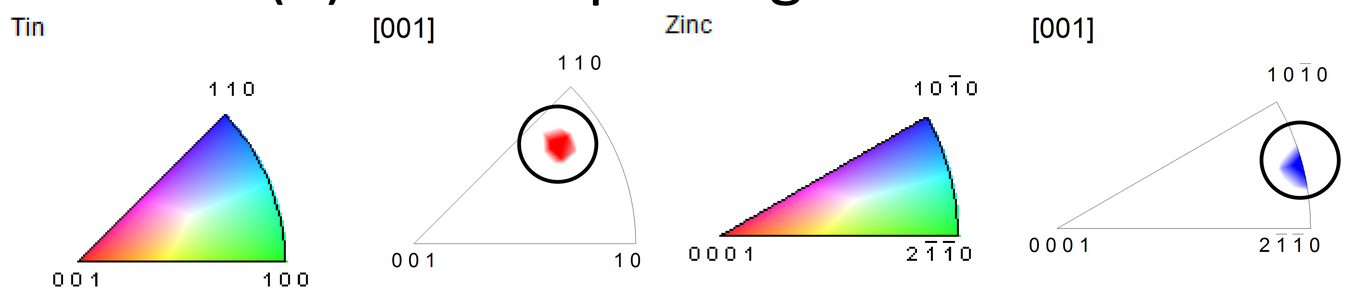
Figure S3: EBSD results of sample solidified at velocity = 1 µm/sec*

(a) Color coded map: Inverse pole figure [001]

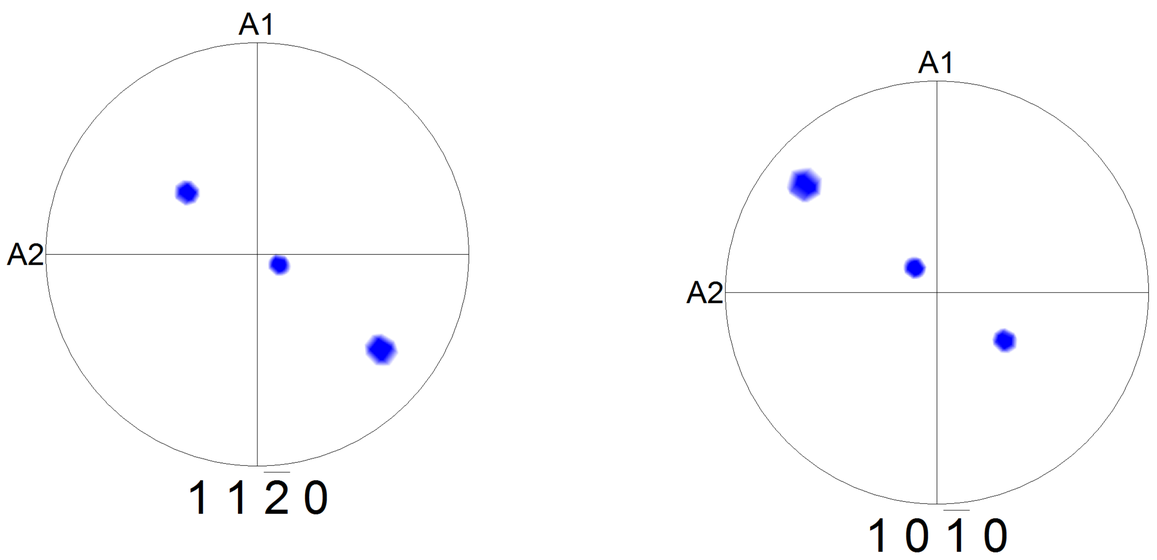


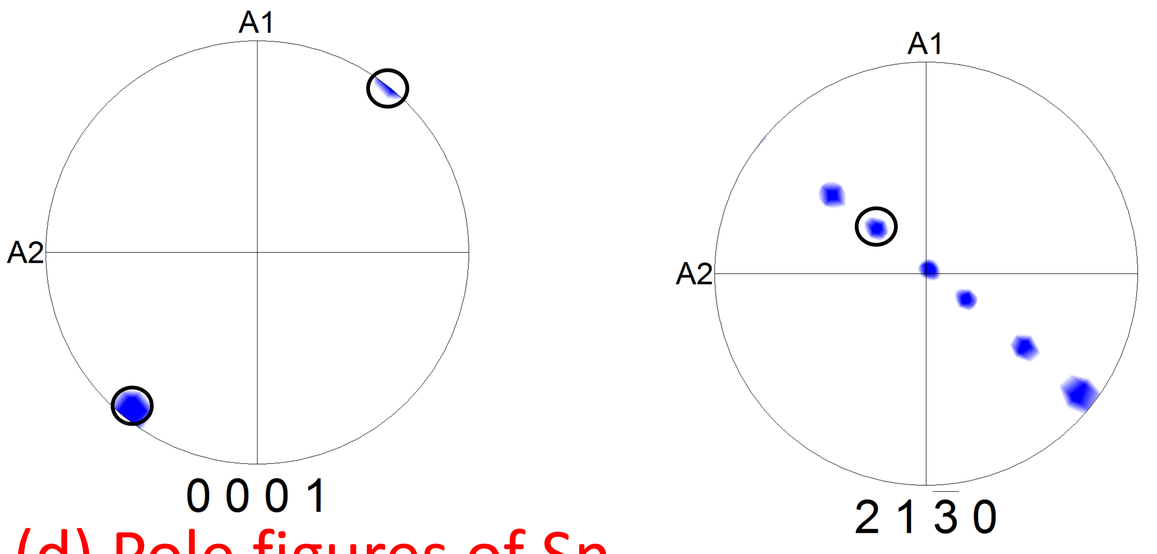
***Sample used in Figure S2 and Figure S3 are different**

(b) Inverse pole figures

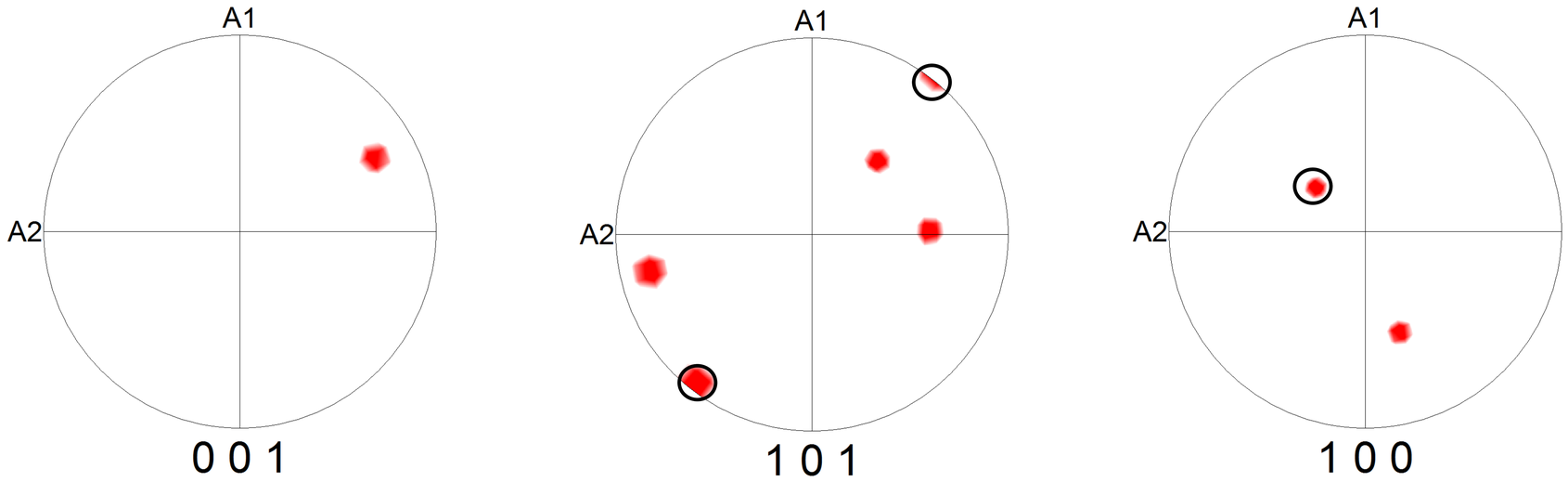


(e) Pole figures of Zn





(d) Pole figures of Sn



(c) Sample reference frame

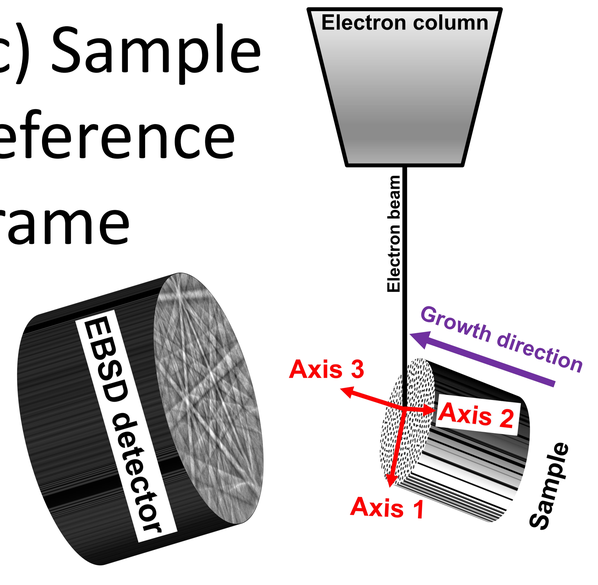
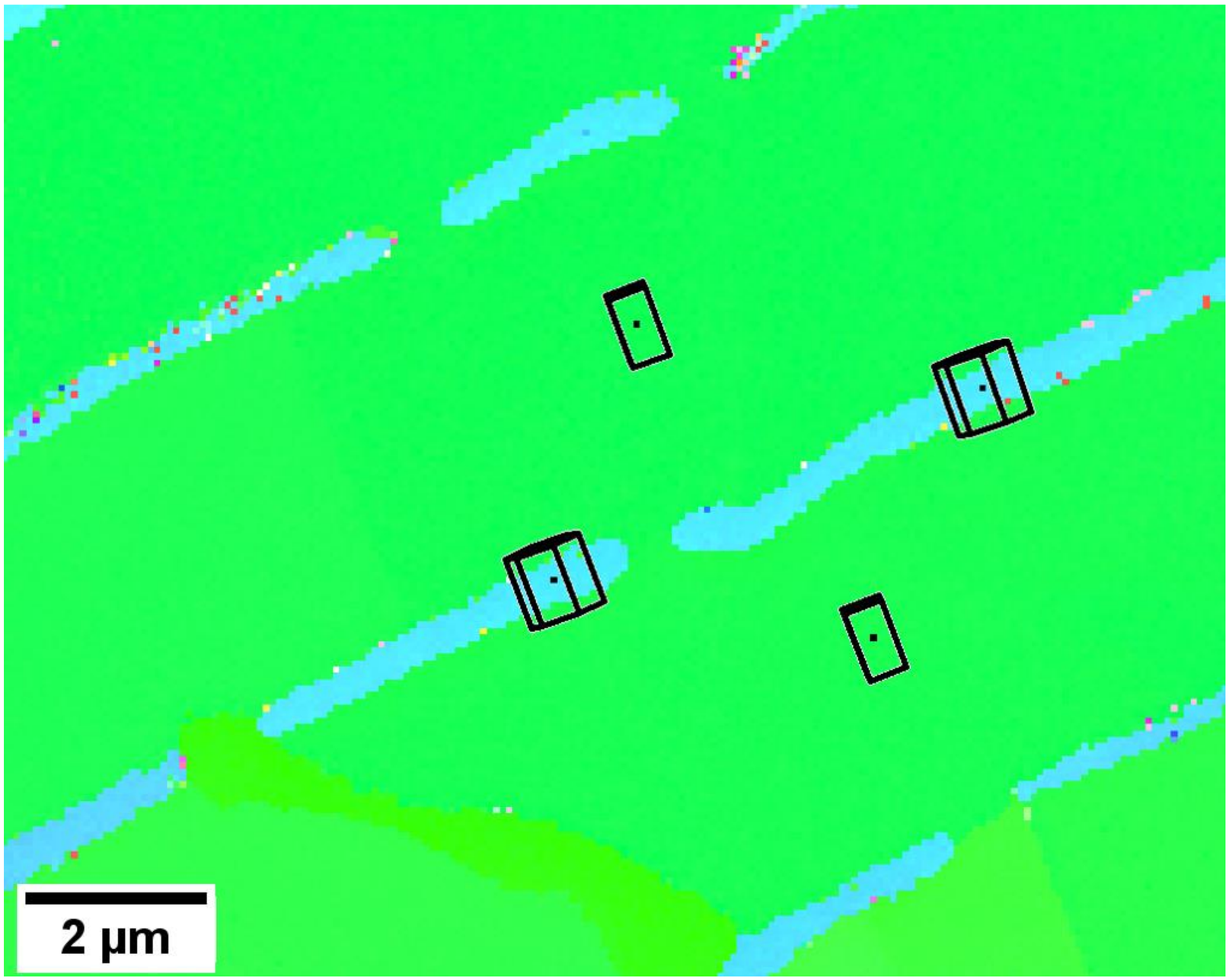
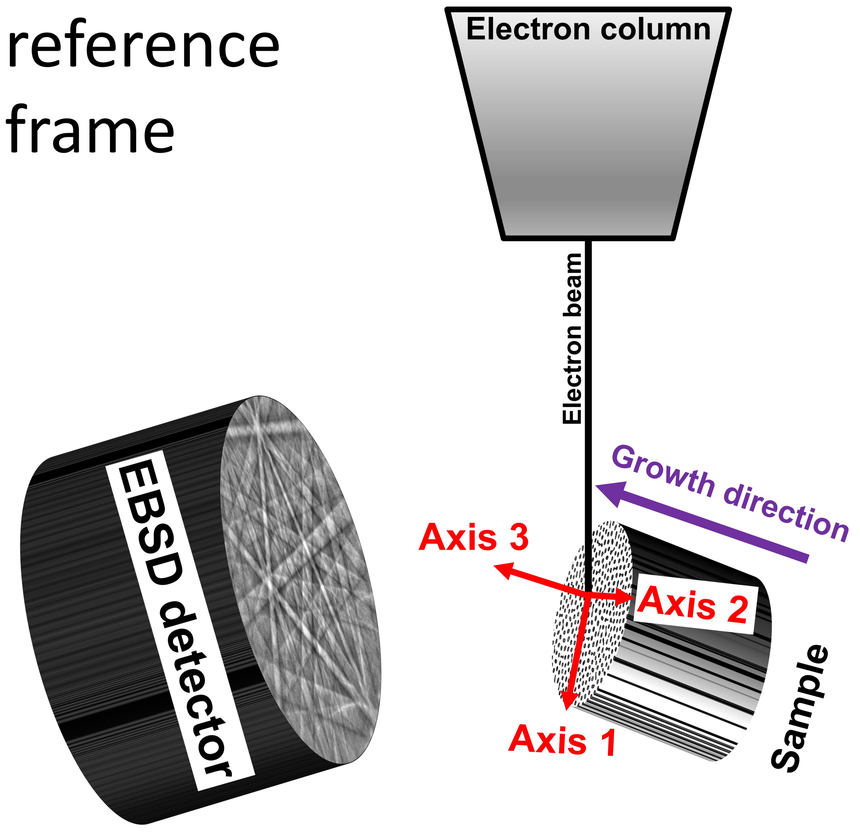


Figure S4: EBSD results of sample solidified at velocity = 2.5 µm/sec

(a) Color coded map: Inverse pole figure [001]



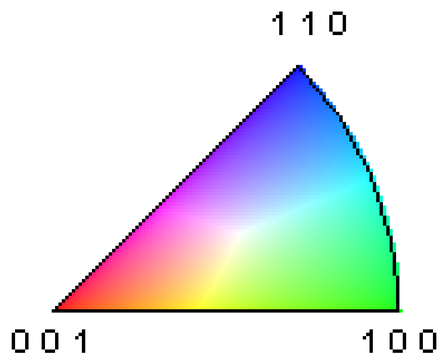
(c) Sample reference frame



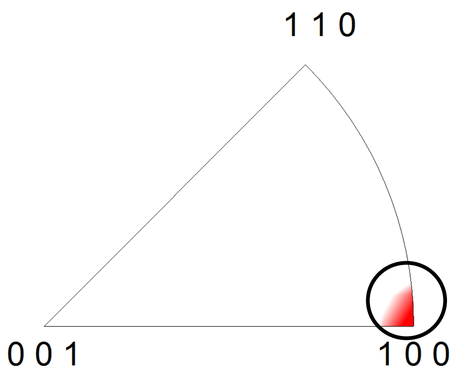
(d) Pole figures of Sn

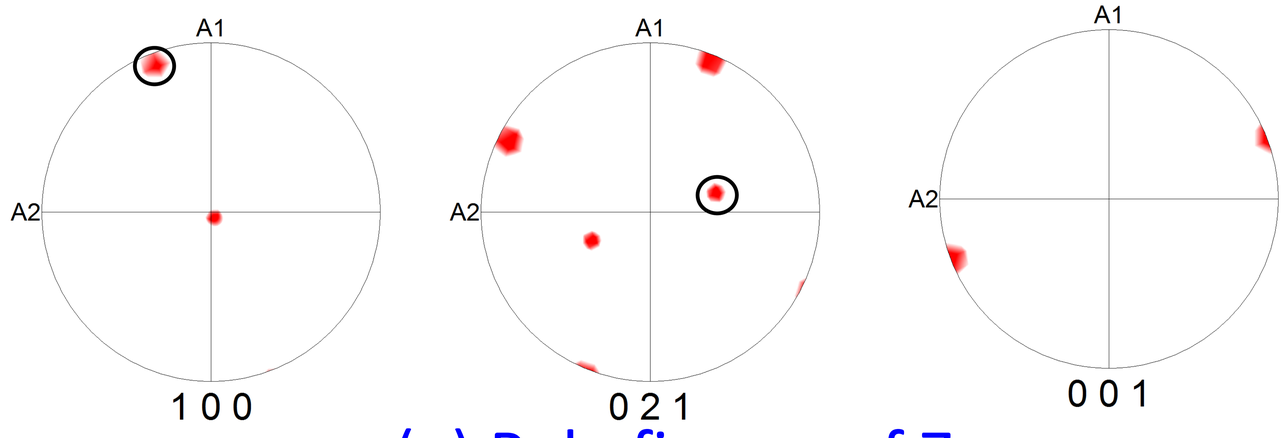
(b) Inverse pole figures

Tin



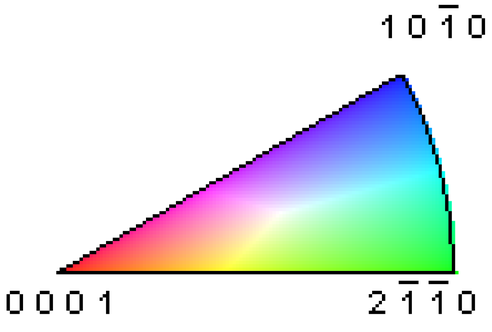
[001]



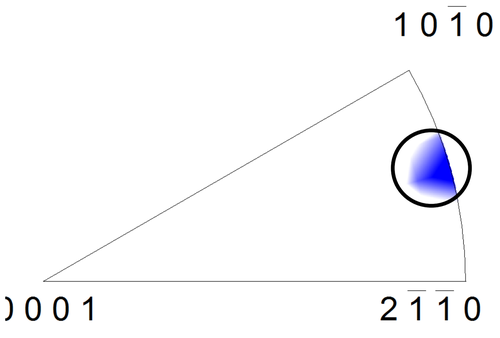


(e) Pole figures of Zn

Zinc



[001]



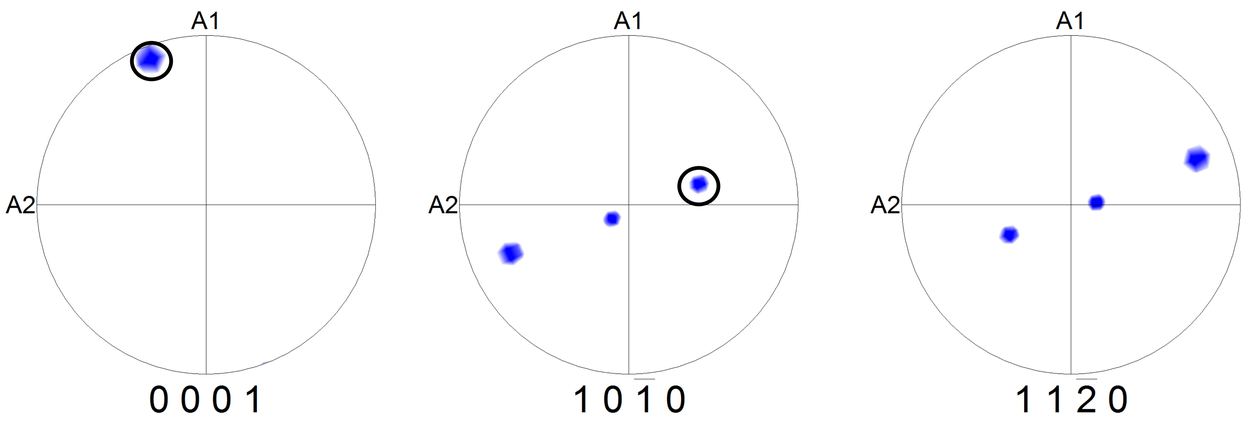
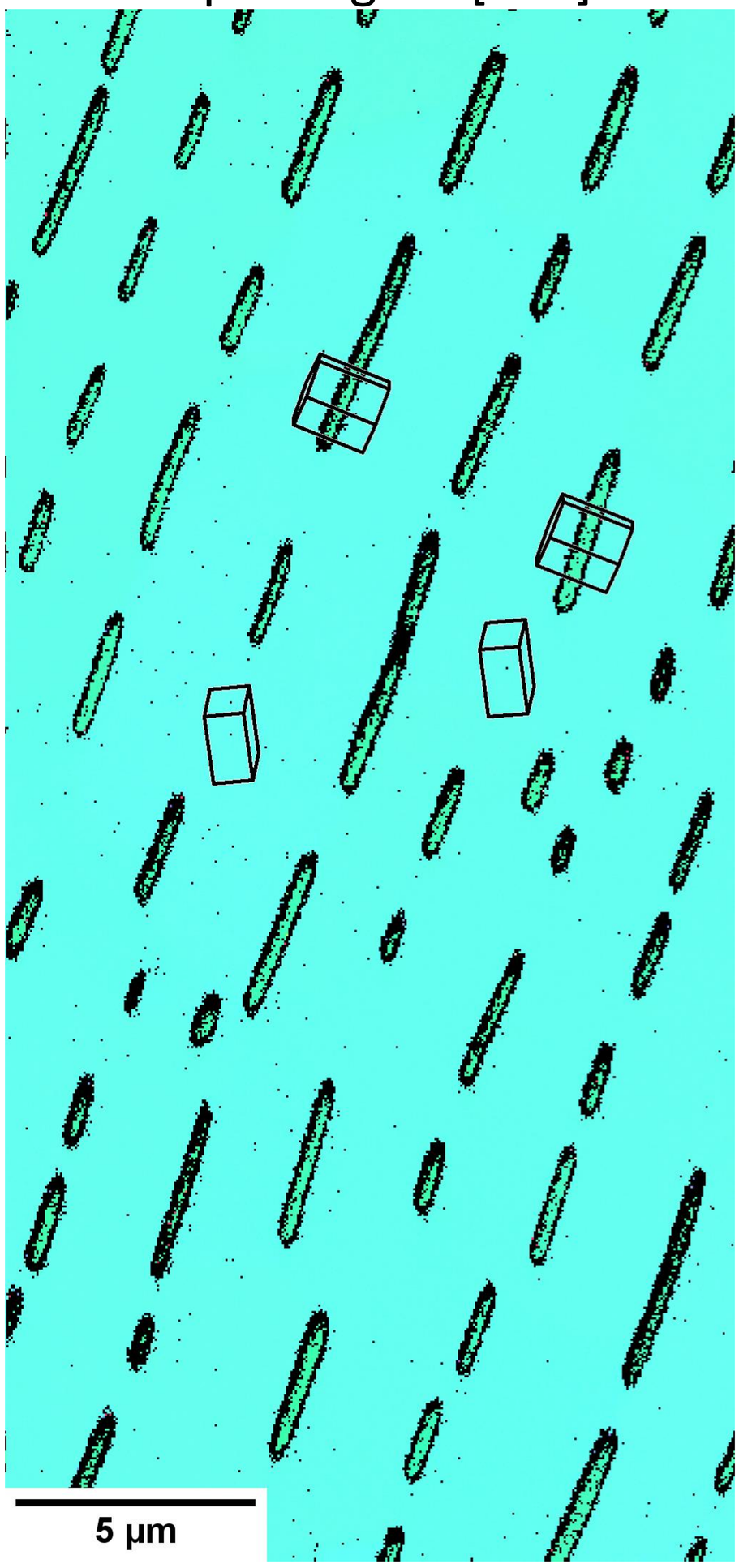


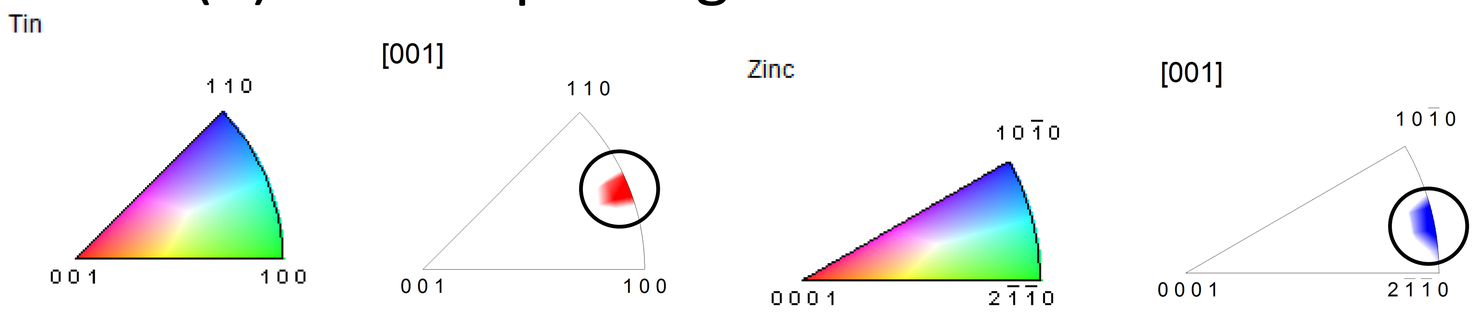
Figure S5: EBSD results of sample solidified at velocity = 5 µm/sec

(a) Color coded map:

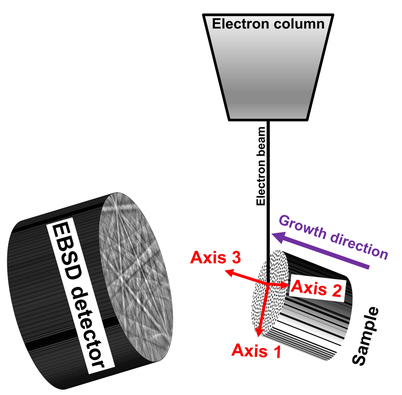
Inverse pole figure [001]



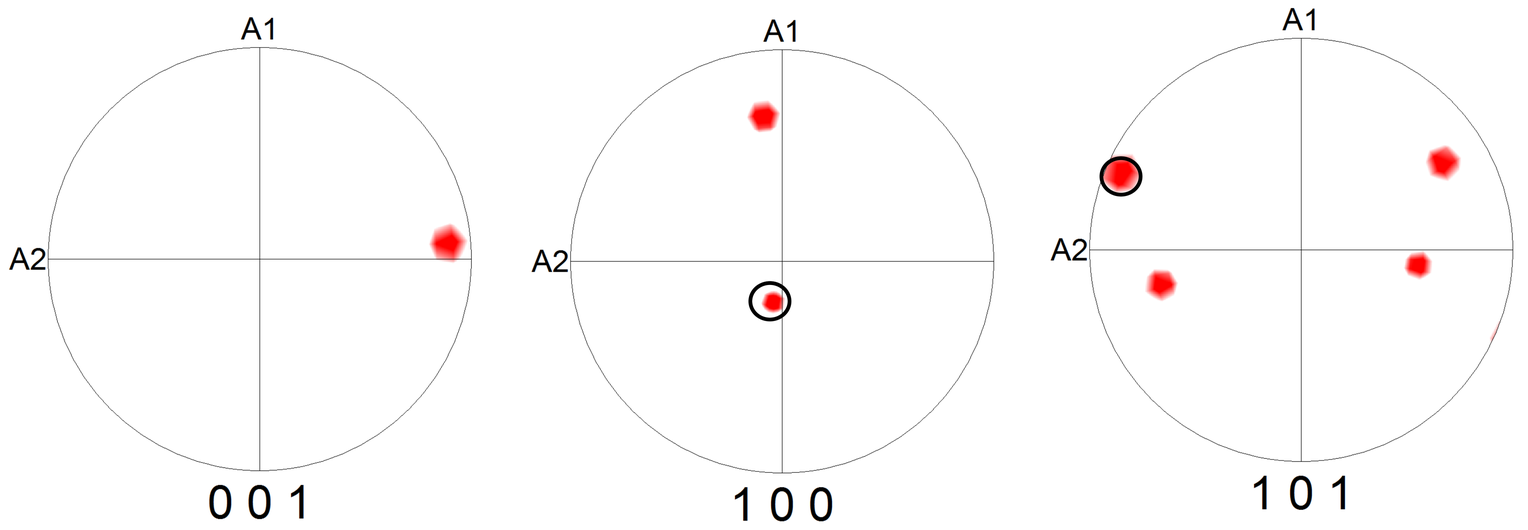
(b) Inverse pole figures



(c) Sample reference frame



(d) Pole figures of Sn



(e) Pole figures of Zn

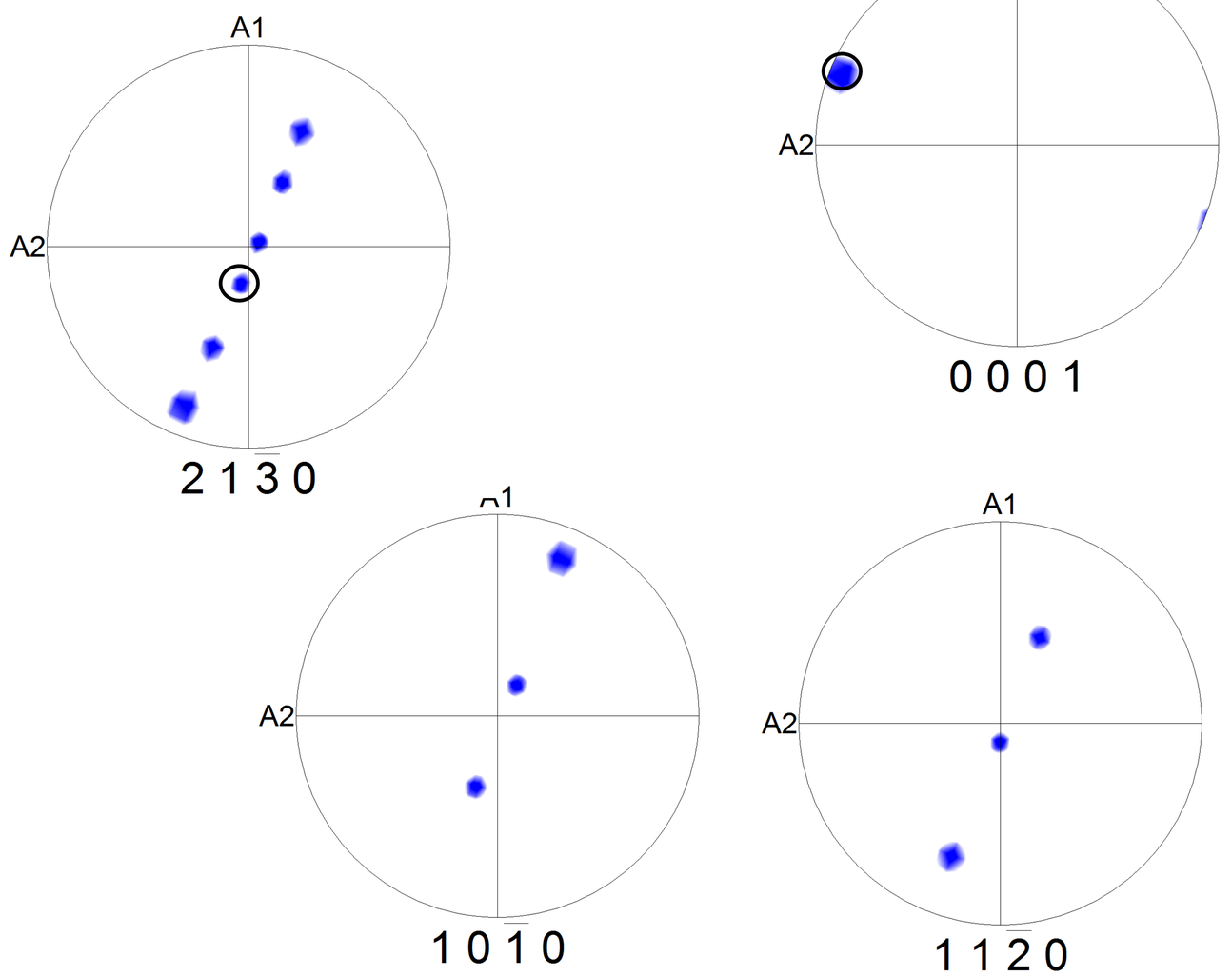
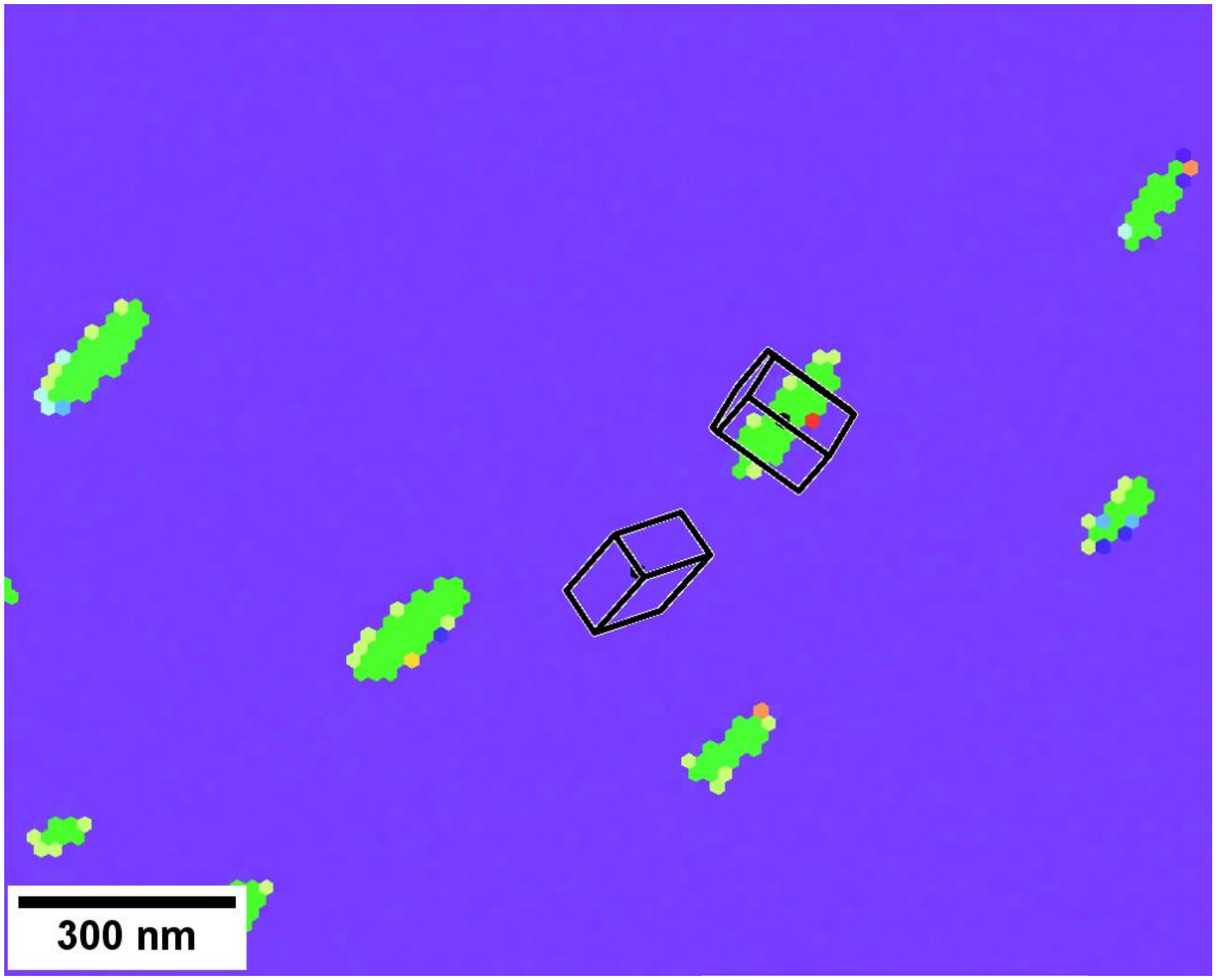
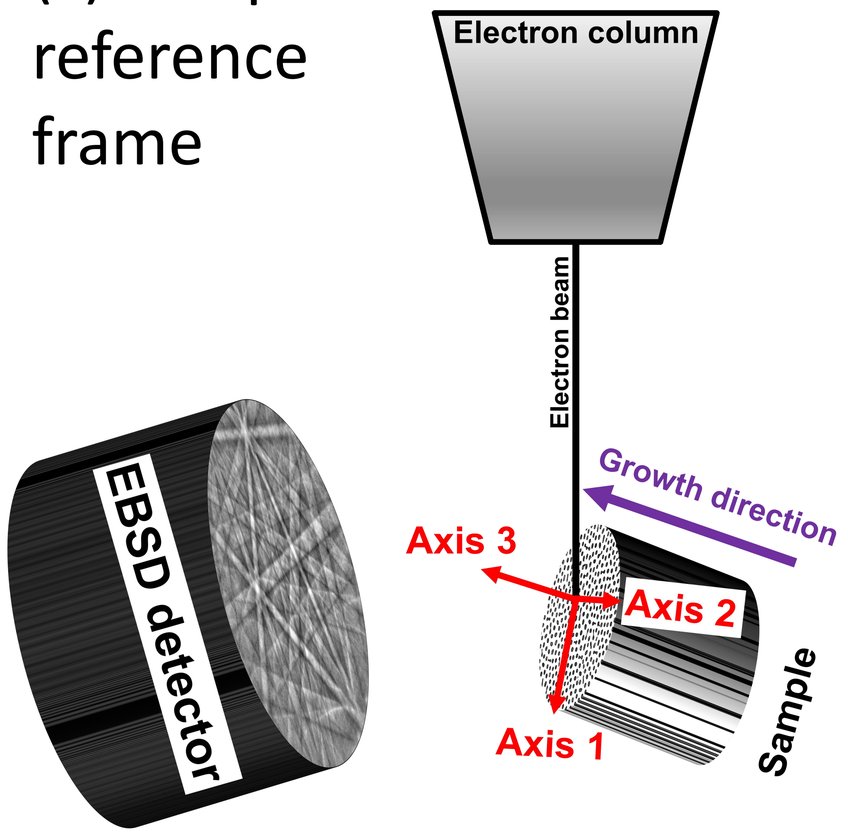


Figure S6: EBSD results of sample solidified at velocity = 50 µm/sec

(a)Color coded map : Inverse pole figure [001]

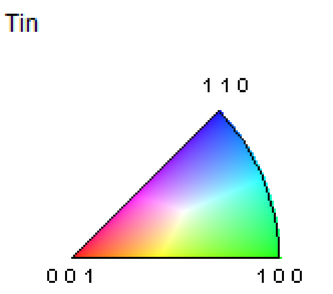


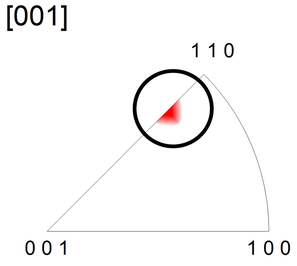
(c) Sample reference frame

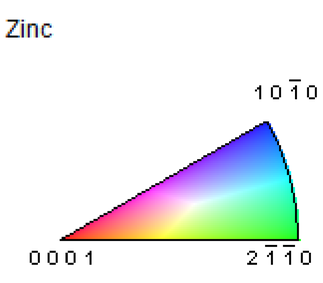


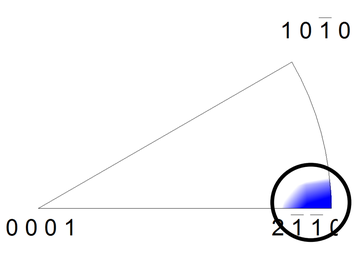
(d) Pole figures of Sn

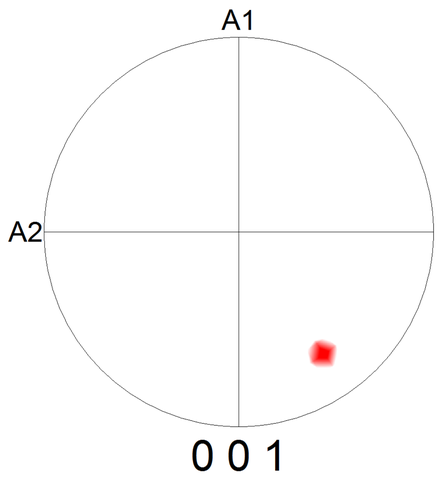
(b) Inverse pole figures

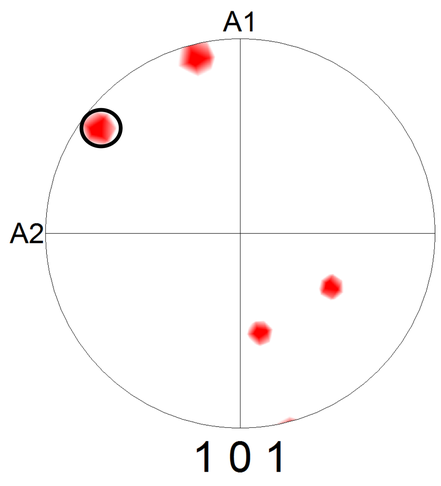


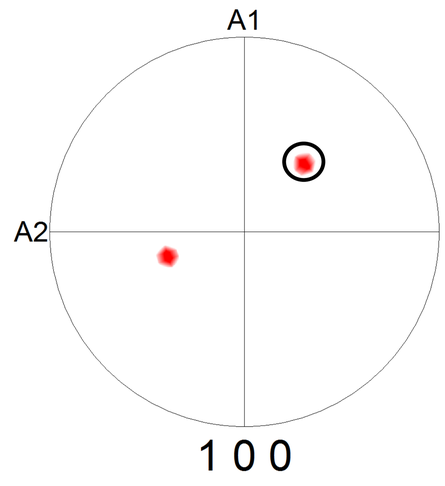




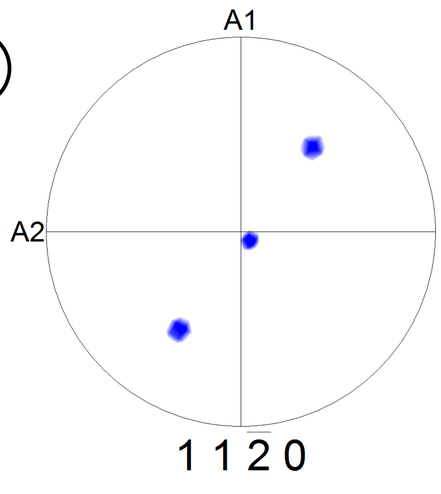


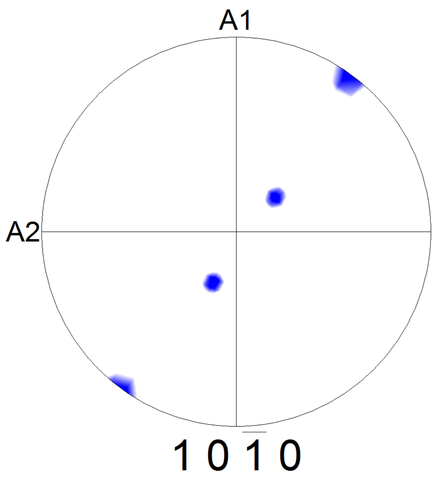


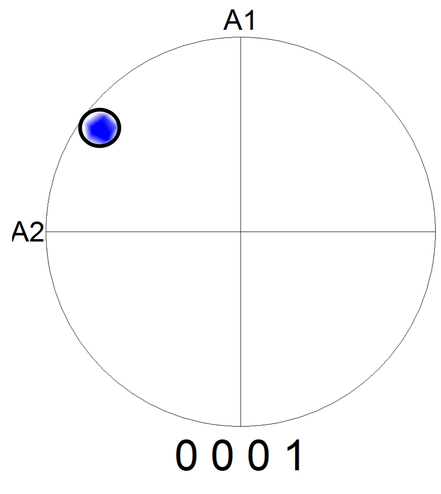




(e) Pole figures of Zn







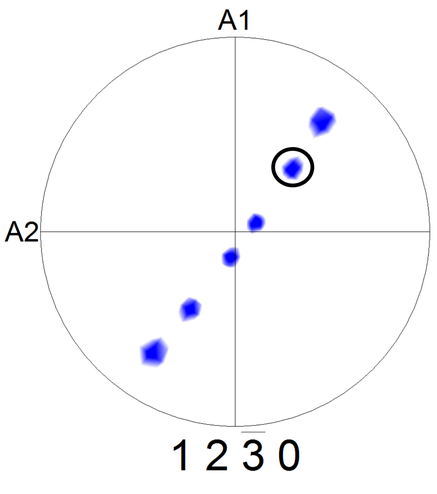
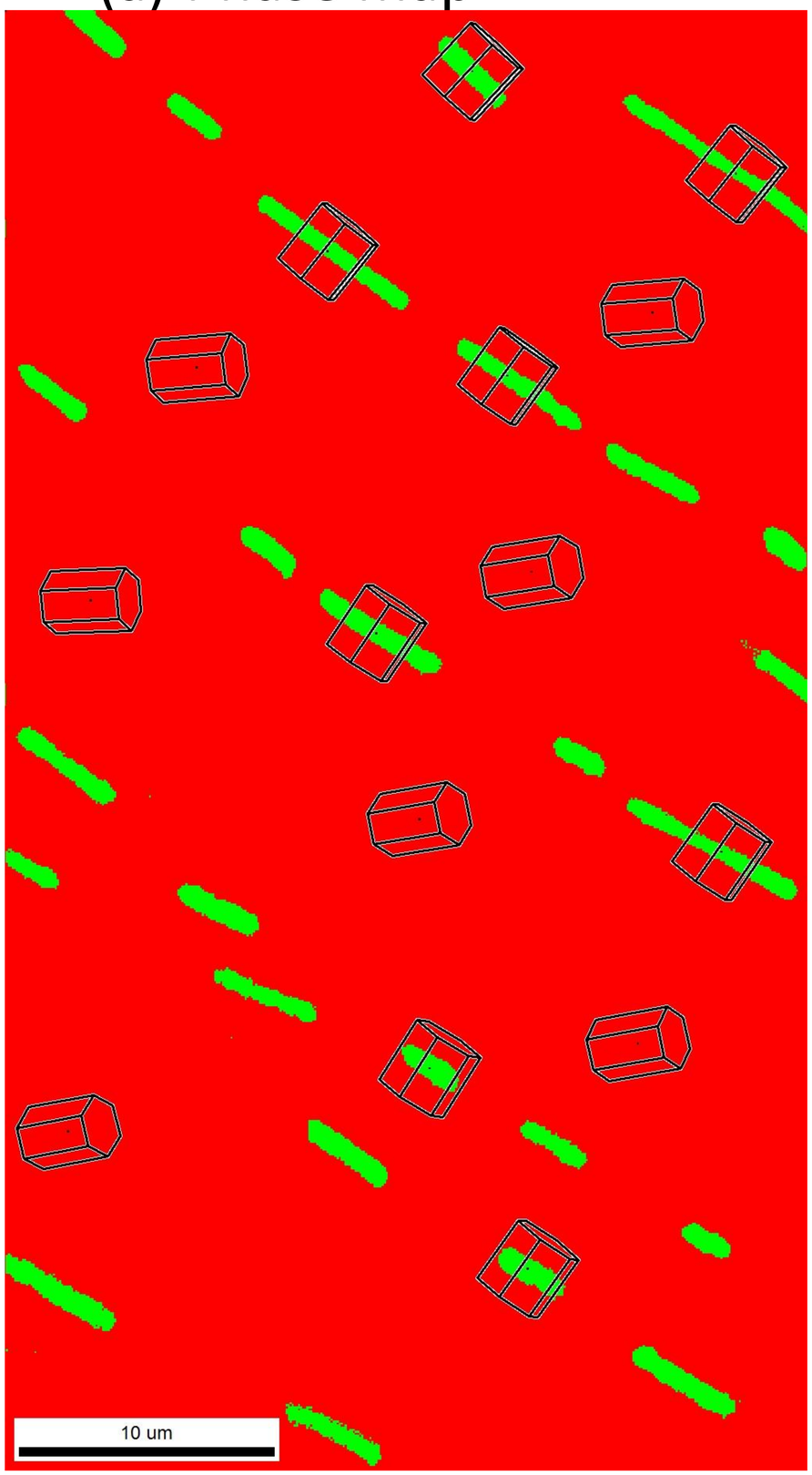


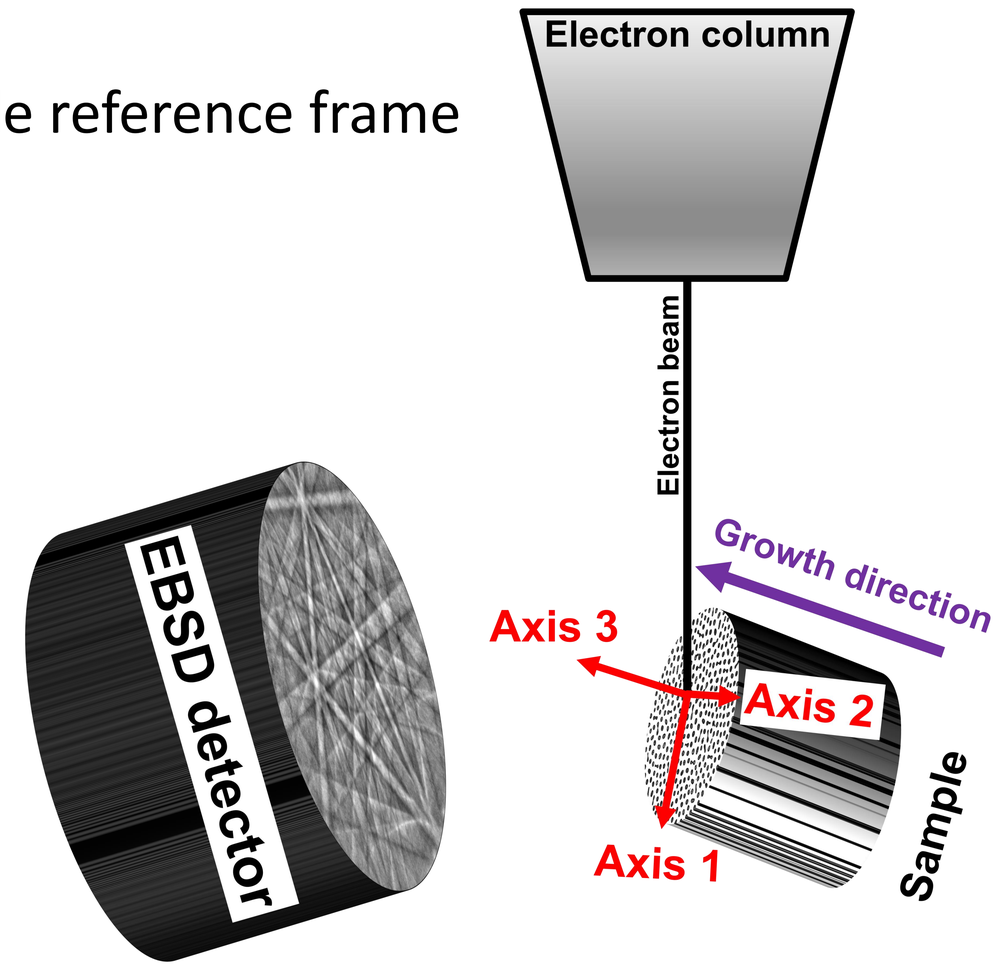
Figure S7: EBSD results of Bi-Zn eutectic sample solidified at 1 µm/sec

(a) Phase map

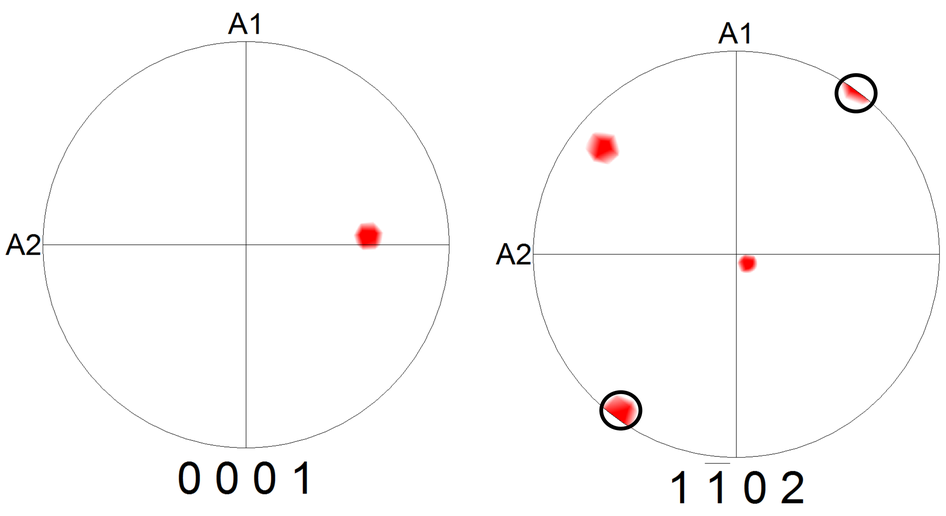
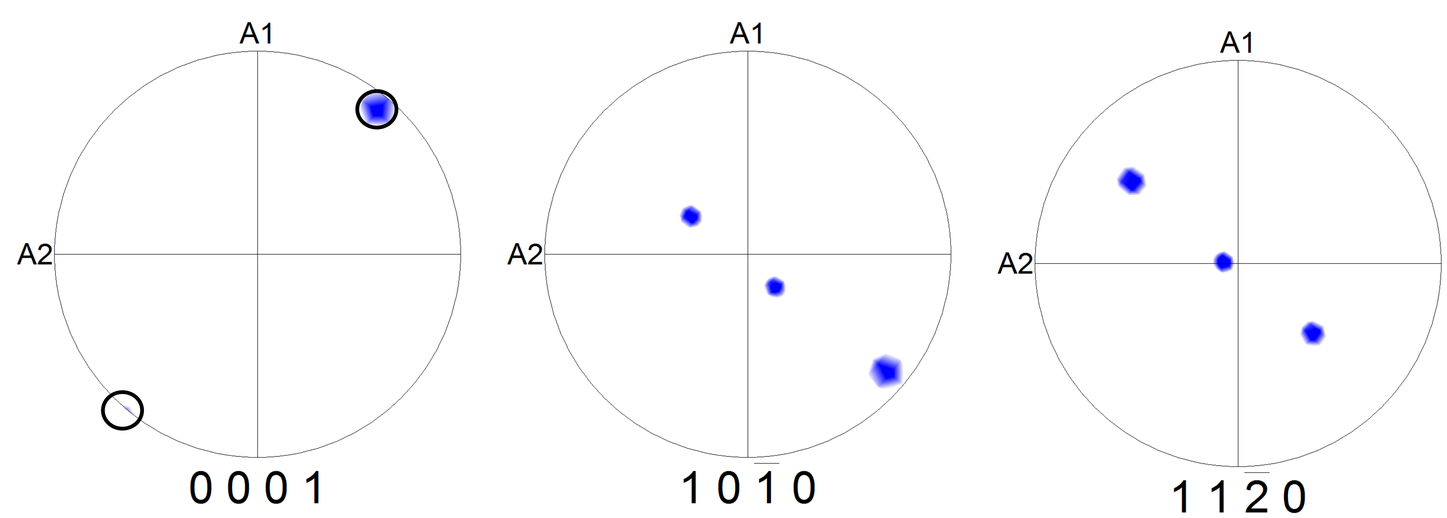


Phase	Fraction
Bismuth	0.959
Zinc	0.040

(b) Sample reference frame



(c) Pole figures of Bi



(d) Pole figures of Zn