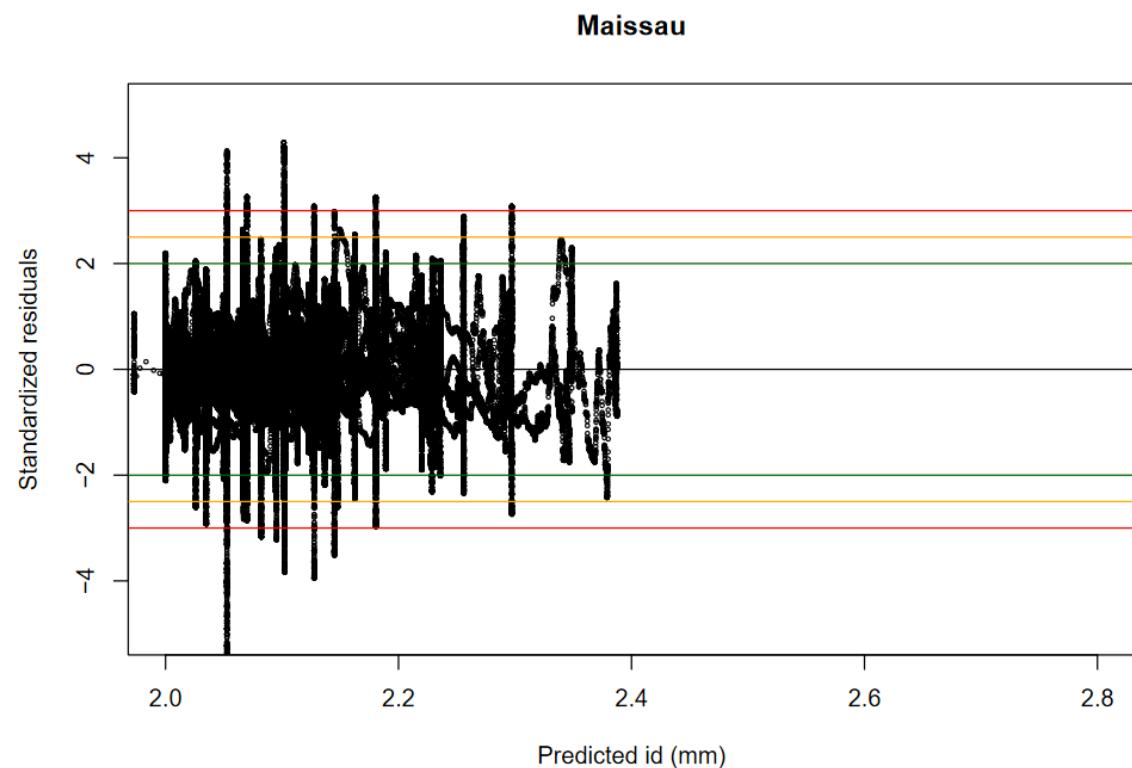


## Supplementary file S7

### *Model fit parameters and residuals*

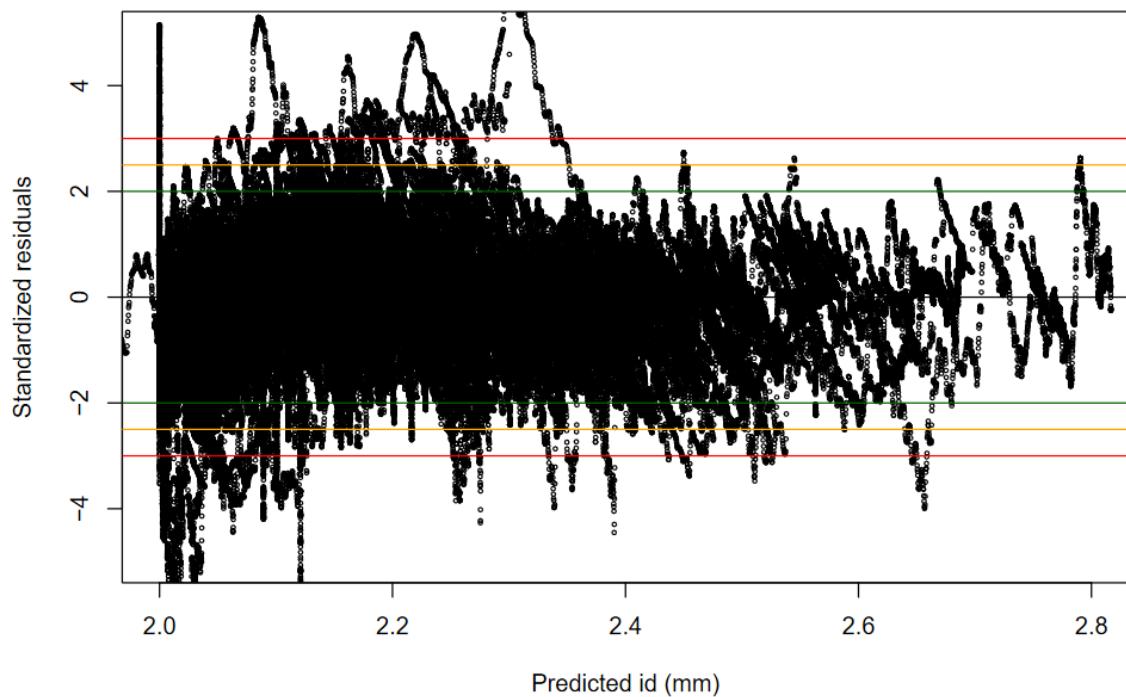
**Table A7.** Model fit parameters

Site	AIC	ID_a0	ID_b0	ID_c0	year_a0	year_b0	year_c0	Residual
Aschau	-560297	0.128	0.04	3.622	0.063	5.54	4.92	0.023
KreisbachO	-498177	1.2E-05	0.22	0.003	0.048	22.86	4.24	0.020
KreisbachU	-2706169	0.048	1.26	0.015	0.062	5.06	2.48	0.016
Maissau	-923901	0.060	3.73	3.243	0.009	2.16	0.89	0.026
Nassereith	-589383	0.055	5.08	5.457	0.055	5.08	5.46	0.019
Waidring	-279898	0.040	0.81	1.429	0.040	0.81	1.43	0.016



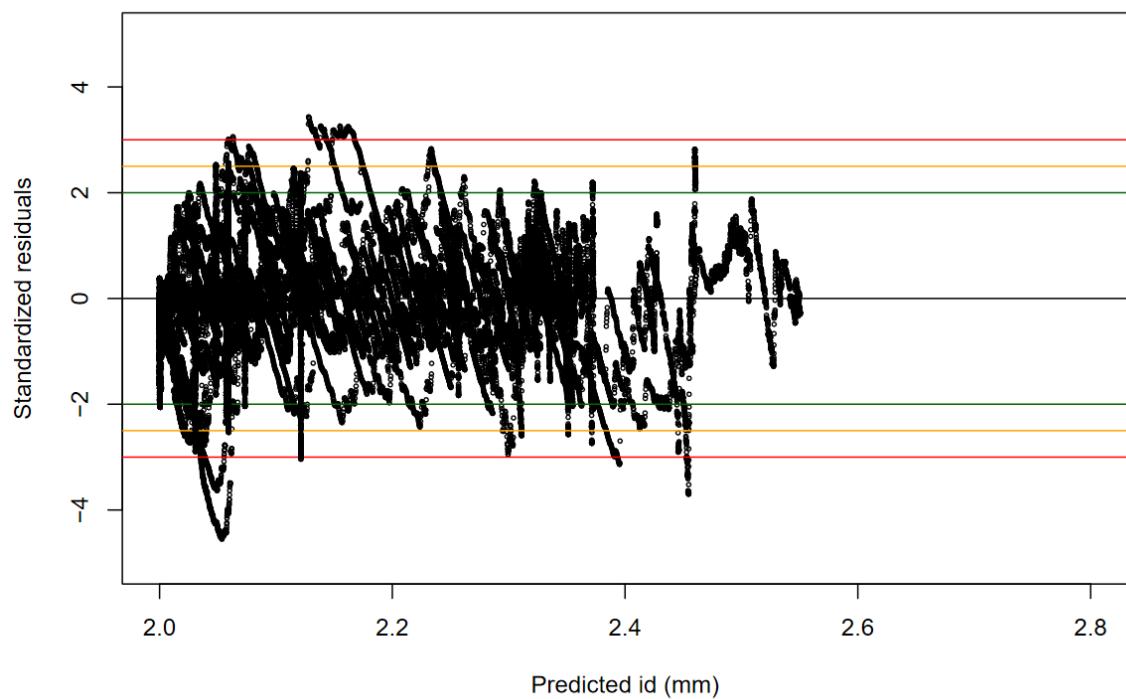
**Figure S7-1.** Standardized residuals for model Maissau

**Kreisbach 1**



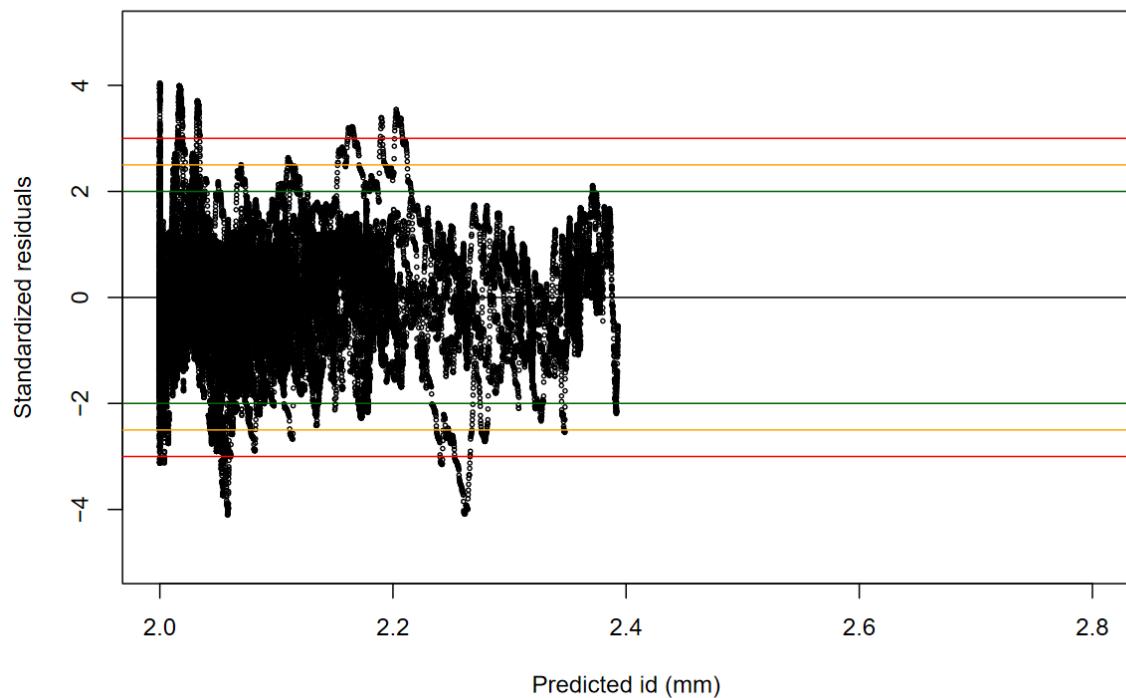
**Figure S7-2.** Standardized residuals for model Kreisbach 1

**Kreisbach 2**



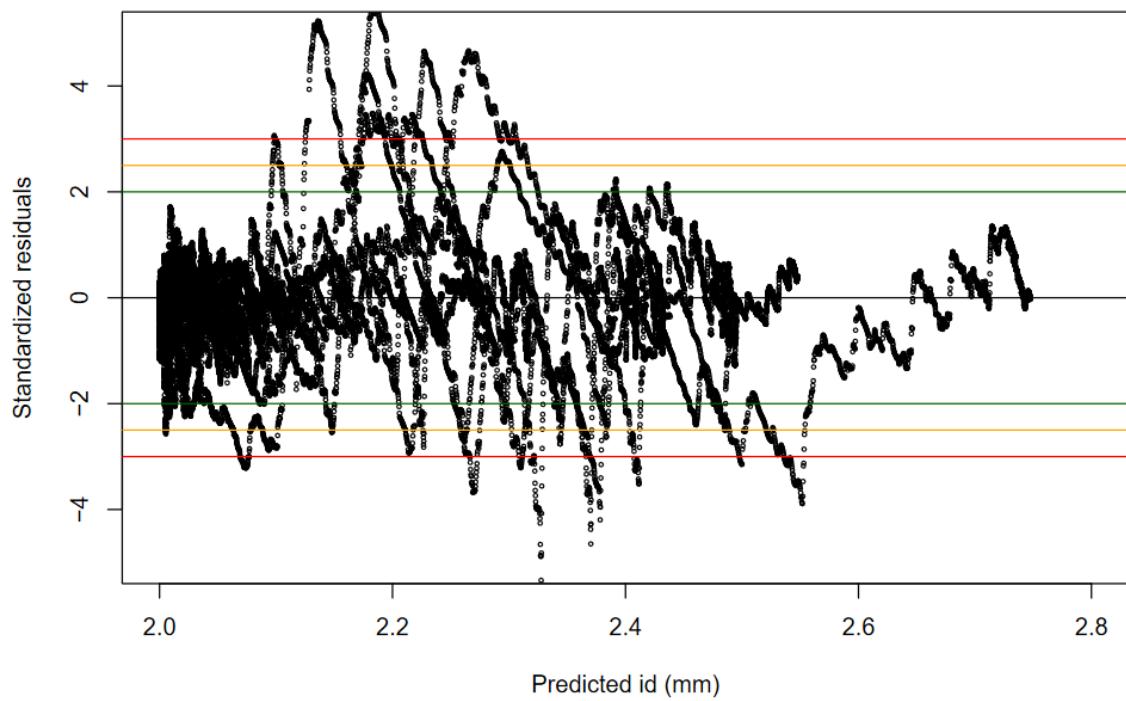
**Figure S7-3.** Standardized residuals for model Kreisbach 2

**Nassereith**



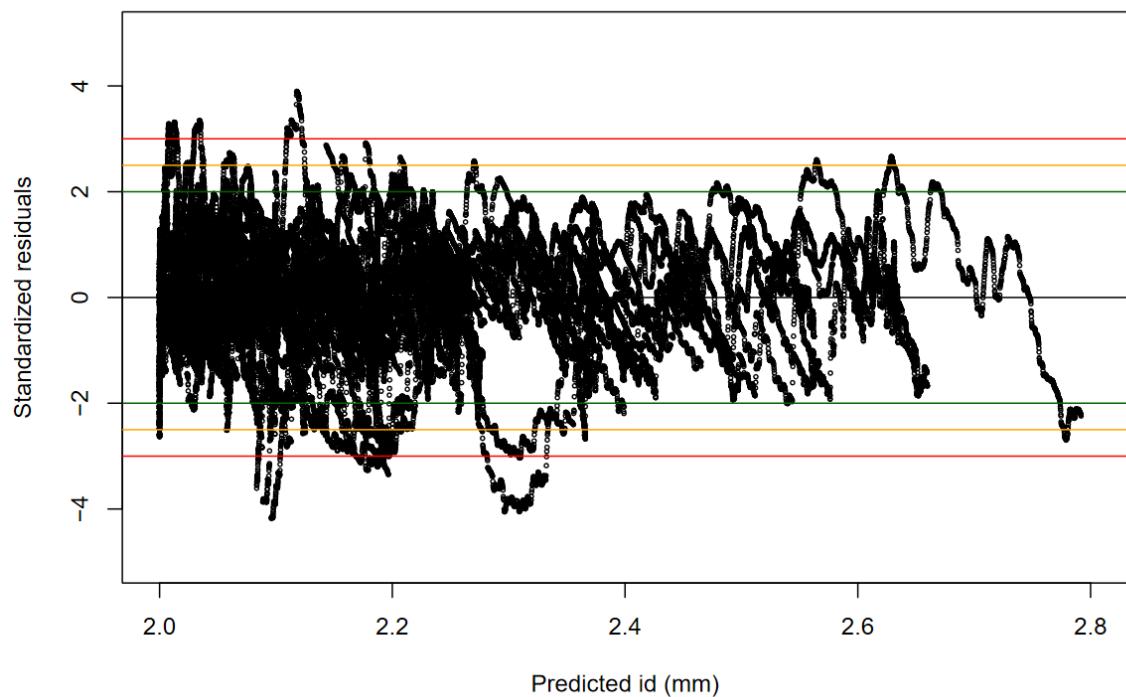
**Figure S7-4.** Standardized residuals for model Nassereith

**Waidring**



**Figure S7-5.** Standardized residuals for model Waidring

### Aschau



**Figure S7-6.** Standardized residuals for model Aschau