Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Representative video of real-time fluorescence in vivo. A head and neck squamous cell carcinoma of the tongue is shown. A large necrotic ulcer is visible in the middle of the tumor.

File Name: Supplementary Movie 2

Description: Representative video of real-time fluorescence in vivo. A fluorescent signal on a breast cancer specimen is shown during a lumpectomy, when the specimen is still in situ. The fluorescent spot on the specimen correlates with a tumor positive surgical margin (see also Fig. 4). The nipple tissue is emitting high intrinsic autofluorescent signals.

File Name: Supplementary Movie 3

Description: Representative video of real-time fluorescence in vivo. A peritoneal metastasis, originating from a colorectal cancer, is visible on the abdominal wall. The large extraluminal colon tumor mass at the bottom of the screen is moving synchroneous with in- and exhaling during anesthesia.

File Name: Supplementary Movie 4

Description: Representative video of real-time fluorescence in vivo. A head and neck squamous cell carcinoma of the tongue is shown.