Data S1. MD Anderson bone response criteria. Adapted from Hamaoka et al, Jour Clin Oncol 2004 (17).

Response	Criteria
Complete response	Disappearance of hot spots or tumor signal on SS, CT or MRI     Ortoclaria larian
	Osteolytic lesion     Complete sclerotic fill-in of lytic lesions on X-rays or CT
	Osteoblastic lesion
	Normalization of lesions on X-rays or CT
Partial response	<ul> <li>Regression of measurable lesion on X-Ray, CT or MRI</li> </ul>
	Regression of lesion on SS (excluding rapid regression)
	Osteolytic lesion
	o Sclerotic rim about osteolytic lesion or sclerosis of previously undetected lesion on
	X-rays or CT
	<ul> <li>Partial sclerotic fill-in of osteolytic lesion on X-rays or CT</li> </ul>
	Osteoblastic lesion
	<ul> <li>Decrease in osteoblastic lesion on X-rays or CT</li> </ul>
Stable disease	<ul> <li>No change in measurable lesion on X-rays, CT or MRI</li> </ul>
	• No change in osteoblastic or osteolytic lesion on X-rays, CT or MRI
	• No new lesion on X-rays, SS, CT or MRI
Progressive disease	• Increase in size of any existing measurable lesions on X-rays, CT or MRI
	• New lesion on X-rays, SS (excluding flares), CT or MRI
	• Increase in activity on SS (excluding flares) of osteoblastic or osteolytic lesion on XR or CT