entry: %global_state = getelementptr inbounds %struct.jpeg_compress_struct, ... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 4 %0 = load i32, i32* %global_state, align 4, !tbaa !3 switch i32 %0, label %if.then8 [i32 101, label %if.then i32 102, label %if.then i32 103, label %while.cond.preheader], !prof !11 101 102 103 def while.cond.preheader: %master17 = getelementptr inbounds %struct.jpeg_compress_struct, ... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 51 %11 = load %struct.jpeg_comp_master*, %struct.jpeg_comp_master** %master17, ... align 8, !tbaa !20 %is_last_pass77 = getelementptr inbounds %struct.jpeg_comp_master, ... %struct.jpeg_comp_master* %11, i64 0, i32 4 %12 = load i32, i32* %is_last_pass77, align 4, !tbaa !24 $% \ln 78 = i cmp eq i 32 \% 12, 0$ br i1 %lnot78, label %while.body.lr.ph, label ... %while.cond.preheader.while.end_crit_edge, !prof !25 F while.body: %14 = phi %struct.jpeg_comp_master* [%11, %while.body.lr.ph], [%28, ... %for.end] %prepare_for_pass = getelementptr inbounds %struct.jpeg_comp_master, ... %struct.jpeg_comp_master* %14, i64 0, i32 0 %15 = load void (%struct.jpeg_compress_struct*)*, void ... (%struct.jpeg_compress_struct*)** %prepare_for_pass, align 8, !tbaa !26 tail call void %15(%struct.jpeg_compress_struct* nonnull %cinfo) #4 %16 = load i32, i32* %total_iMCU_rows, align 8, !tbaa !27 %cmp1975 = icmp eq i32 %16, 0 br i1 %cmp1975, label %for.end, label %for.body.preheader, !prof!28 for.body.preheader: br label %for.body %17 = phi i32 [%25, %for.inc], [%16, %for.body.preheader] %iMCU_row.076 = phi i32 [%inc, %for.inc], [0, %for.body.preheader] %18 = load %struct.jpeg_progress_mgr*, %struct.jpeg_progress_mgr** ... %progress, align 8, !tbaa !29 %cmp20 = icmp eq %struct.jpeg_progress_mgr* %18, null br i1 %cmp20, label %if.end28, label %if.then21, !prof!30 if.end28: %21 = load %struct.jpeg_c_coef_controller*, %struct.jpeg_c_coef_controller** ... %coef, align 8, !tbaa !35 %compress_data = getelementptr inbounds %struct.jpeg_c_coef_controller, ... %struct.jpeg_c_coef_controller* %21, i64 0, i32 1 %22 = load i32 (%struct.jpeg_compress_struct*, i8***)*, i32 ... (%struct.jpeg_compress_struct*, i8***)** %compress_data, align 8, !tbaa !36 %call = tail call i32 %22(%struct.jpeg_compress_struct* nonnull %cinfo, ... i8*** null) #4 %tobool29 = icmp eq i32 %call, 0 br i1 %tobool29, label %if.then30, label %for.inc, !prof!38 F for.inc: %inc = add i32 %iMCU_row.076, 1 %25 = load i32, i32* %total_iMCU_rows, align 8, !tbaa !27 %cmp19 = icmp ult i32 %inc, %25 br i1 %cmp19, label %for.body, label %for.end.loopexit, !prof !39 for.end.loopexit: br label %for.end for.end: %26 = load %struct.jpeg_comp_master*, %struct.jpeg_comp_master** %master17, ... align 8, !tbaa !20 %finish_pass37 = getelementptr inbounds %struct.jpeg_comp_master, ... %struct.jpeg_comp_master* %26, i64 0, i32 2 %27 = load void (%struct.jpeg_compress_struct*)*, void ... (%struct.jpeg_compress_struct*)** %finish_pass37, align 8, !tbaa !21 tail call void %27(%struct.jpeg_compress_struct* nonnull %cinfo) #4 %28 = load %struct.jpeg_comp_master*, %struct.jpeg_comp_master** %master17, ... align 8, !tbaa !20 %is_last_pass = getelementptr inbounds %struct.jpeg_comp_master, ... %struct.jpeg_comp_master* %28, i64 0, i32 4 %29 = load i32, i32* %is_last_pass, align 4, !tbaa !24 $% \ln t = icmp \ eq \ i32 \ \% 29, \ 0$ br i1 %lnot, label %while.body, label %while.end.loopexit, !prof !25 F while.end: %.pre-phi = phi %struct.jpeg_common_struct* [%.pre, ... % while.cond.preheader.while.end_crit_edge], [%13, % while.end.loopexit] %marker = getelementptr inbounds %struct.jpeg compress struct, ... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 55 %30 = load %struct.jpeg_marker_writer*, %struct.jpeg_marker_writer** ... %marker, align 8, !tbaa !40 %write_file_trailer = getelementptr inbounds %struct.jpeg_marker_writer, ... %struct.jpeg_marker_writer* %30, i64 0, i32 4 %31 = load void (%struct.jpeg_compress_struct*)*, void ... (%struct.jpeg_compress_struct*)** %write_file_trailer, align 8, !tbaa !41 tail call void %31(%struct.jpeg_compress_struct* nonnull %cinfo) #4 %dest = getelementptr inbounds %struct.jpeg_compress_struct, ... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 5 %32 = load %struct.jpeg_destination_mgr*, %struct.jpeg_destination_mgr** ... %dest, align 8, !tbaa !43 %term destination = getelementptr inbounds %struct.jpeg destination mgr, ... %struct.jpeg_destination_mgr* %32, i64 0, i32 4 %33 = load void (%struct.jpeg_compress_struct*)*, void ... (%struct.jpeg_compress_struct*)** %term_destination, align 8, !tbaa !44

ret void

tail call void %33(%struct.jpeg_compress_struct* nonnull %cinfo) #4 tail call void @jpeg_abort(%struct.jpeg_common_struct* %.pre-phi) #4